

# Water Resources Survey



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Part II:

MAPS SHOWING IRRIGATED AREAS IN COLORS  
DESIGNATING THE SOURCES OF SUPPLY

Big Horn County, Montana

*Published by*

STATE ENGINEER AND STATE  
WATER CONSERVATION BOARD

Helena, Montana, May, 1947



# WATER RESOURCES SURVEY

Big Horn County, Montana

Part II

Maps Showing Irrigated Areas

Published by  
STATE ENGINEER  
and  
STATE WATER CONSERVATION BOARD

HELENA, MONTANA  
MAY, 1947

### **STATE ENGINEER'S OFFICE**

State Engineer	- - - - -	Fred E. Buck
Assistant	- - - - -	Gerald J. Oravetz

### **STATE WATER CONSERVATION BOARD**

Governor Sam C. Ford	- - - - -	Chairman
O. S. Warden	- - - - -	Vice-Chairman
D. P. Fabrick	- - - - -	Member
C. H. Raymond	- - - - -	Member
Fred E. Buck	- - - - -	Member and Chief Engineer
R. J. Kelly	- - - - -	Assistant Secretary

### **MONTANA STATE AGRICULTURAL EXPERIMENT STATION**

O. W. Monson	- - - - -	Irrigation Engineer and Consultant
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May, 1947

Hon. Sam C. Ford  
Capitol Building  
Helena, Montana

Dear Governor Ford:

Submitted herewith is a consolidated report on the water resources survey of Big Horn County, Montana. This work is being carried on by funds made available to the State Engineer and the State Water Conservation Board by the 29th Legislative Session, 1945.

The report is divided into two booklets—part one consisting of the history of land and water use, irrigated lands, water rights, etc., while part two contains all of the township maps showing in color the lands irrigated from each canal.

The office files contain minute descriptions and details of each individual water right, water and land use, etc., which are too voluminous to be included herein. These office files are available for inspection to those who are interested.

Mr. Gerald J. Oravetz, Assistant State Engineer, has directed the detail office and field work of this project and is entitled to much credit for the excellent accomplishment.

Respectfully submitted,

FRED E. BUCK,  
State Engineer.

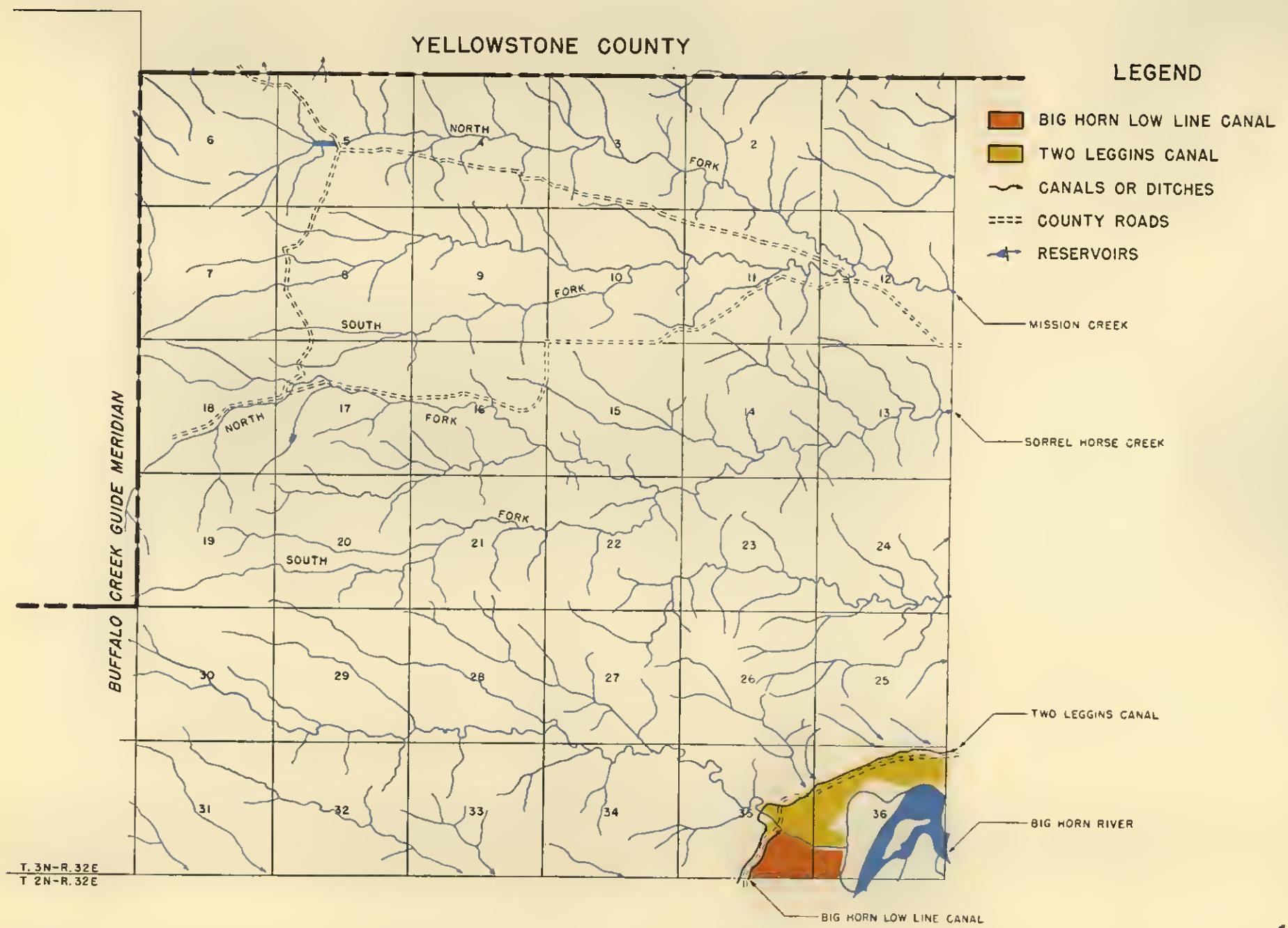
Township No. 3 NORTH

Range No. 33 EAST

County BIG HORN

T. 3 NORTH

R. 33 EAST



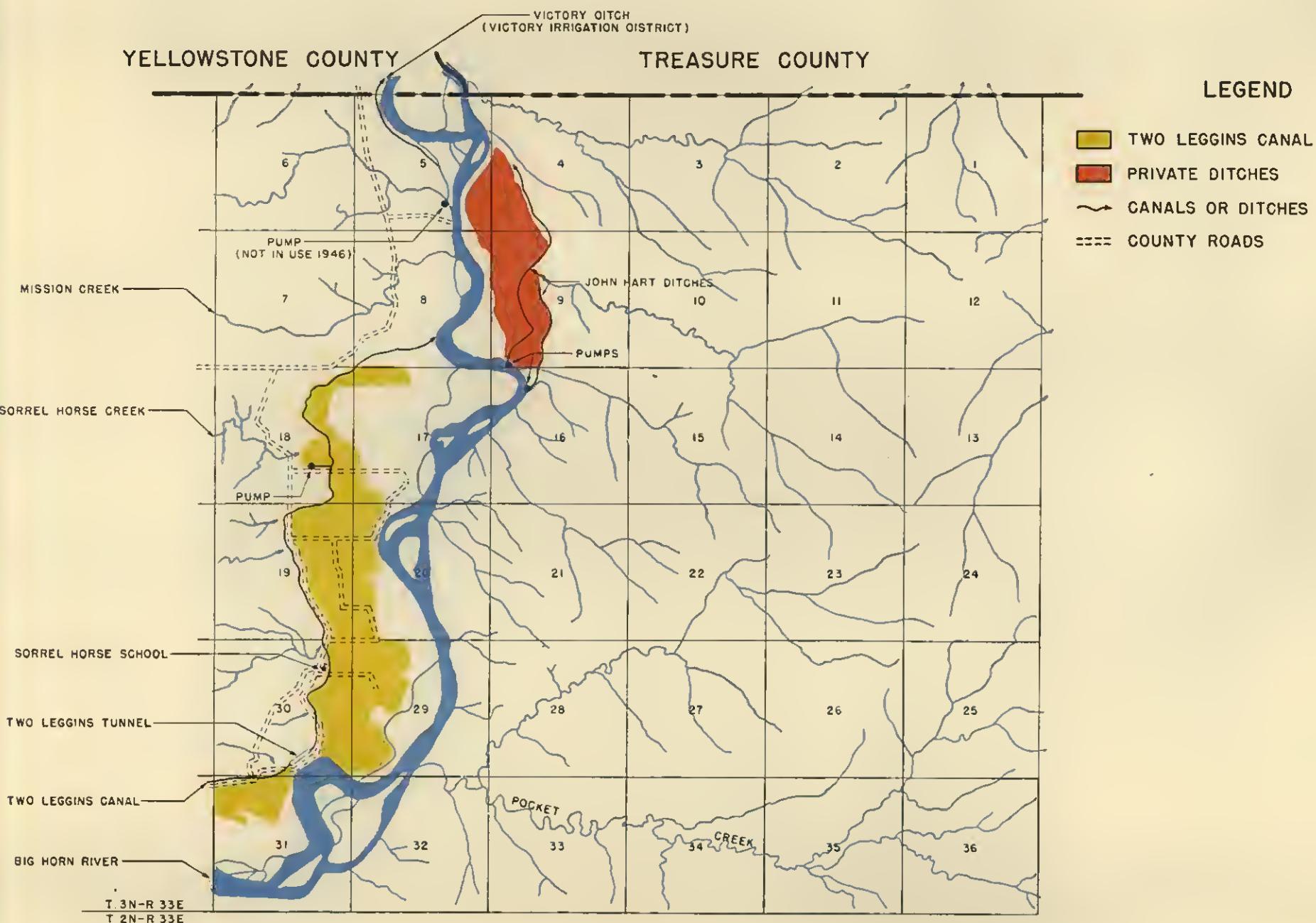
Township No. 3 NORTH

Range No. 34 EAST

County BIG HORN

T. 3 NORTH

R. 34 EAST



Township No. 2 NORTH

Range No. 30 EAST

County BIG HORN

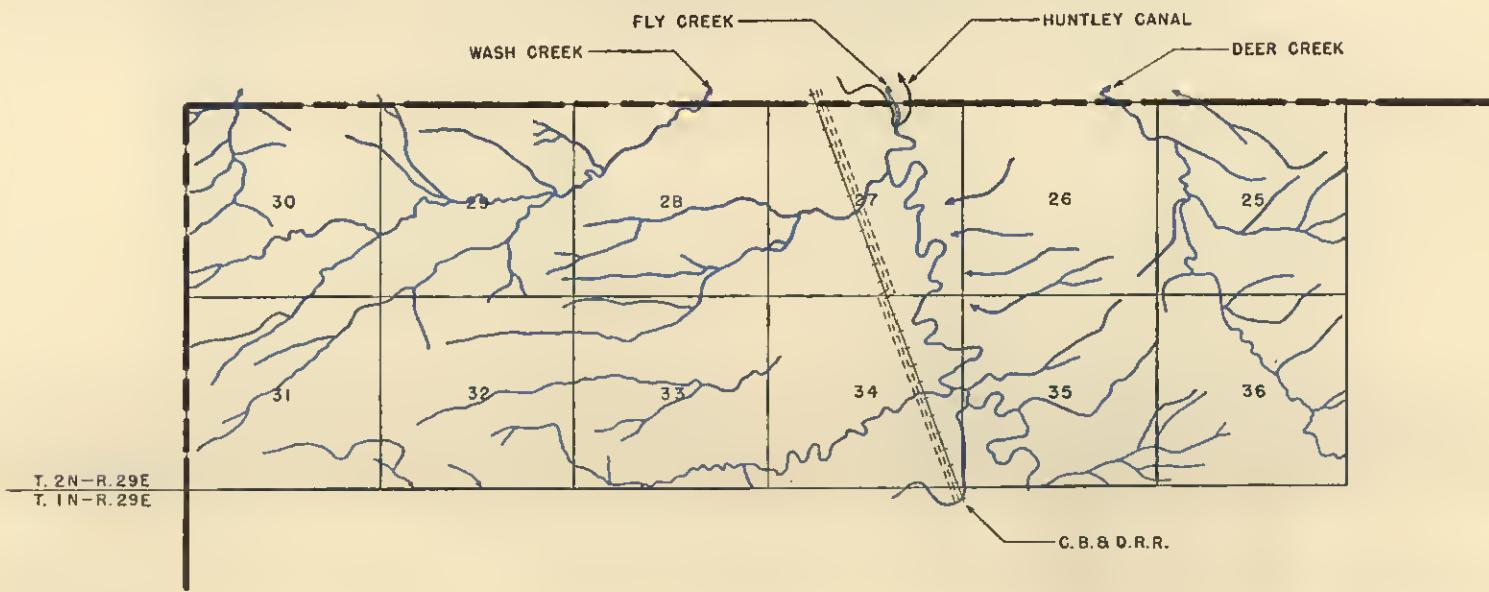
T. 2 NORTH

R. 30 EAST

LEGEND

- ~~~ CANALS OR DITCHES
- ===== COUNTY ROADS
- +++ RAILROADS

YELLOWSTONE COUNTY



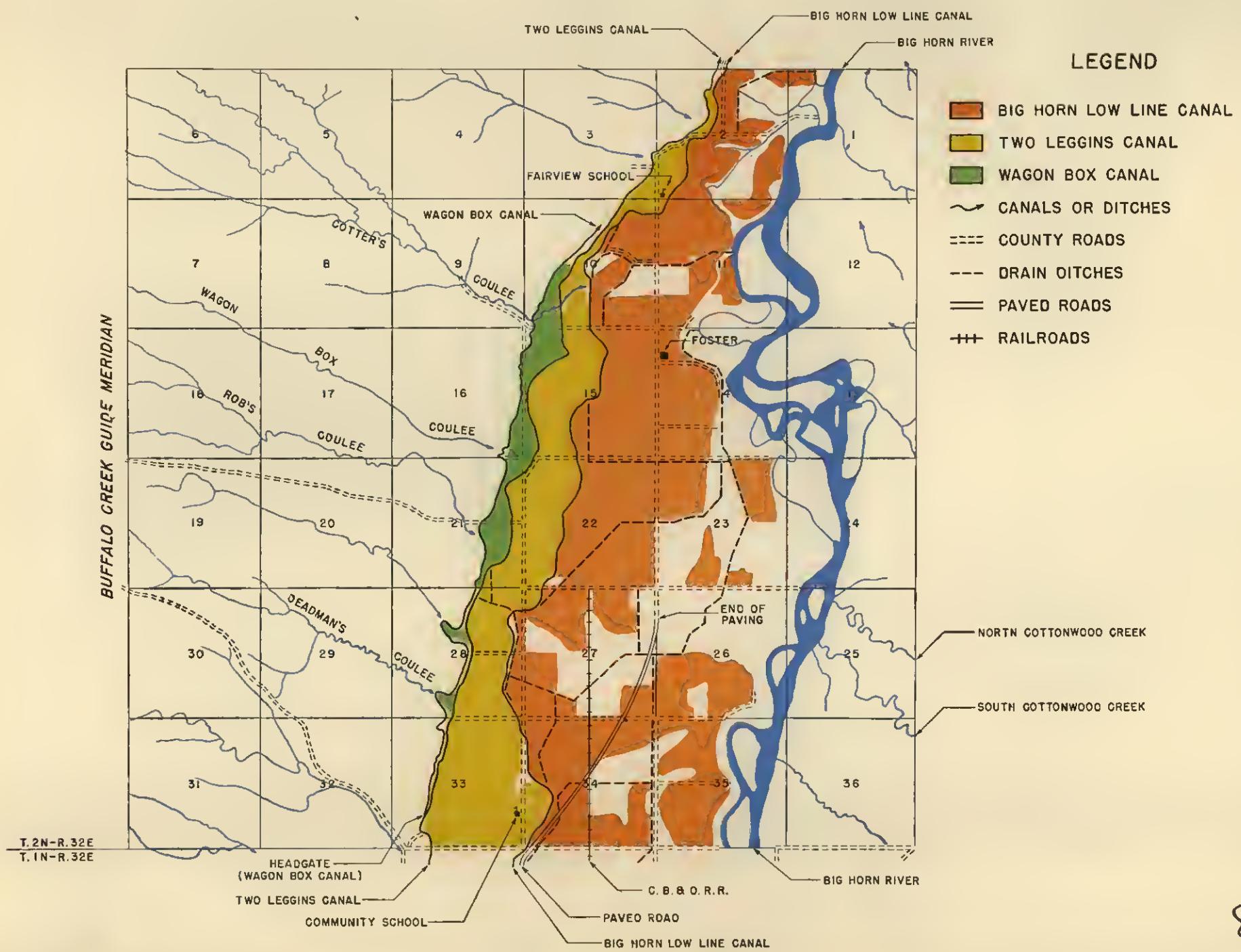
Township No. 2 NORTH

Range No. 33 EAST

County BIG HORN

T. 2 NORTH

R. 33 EAST



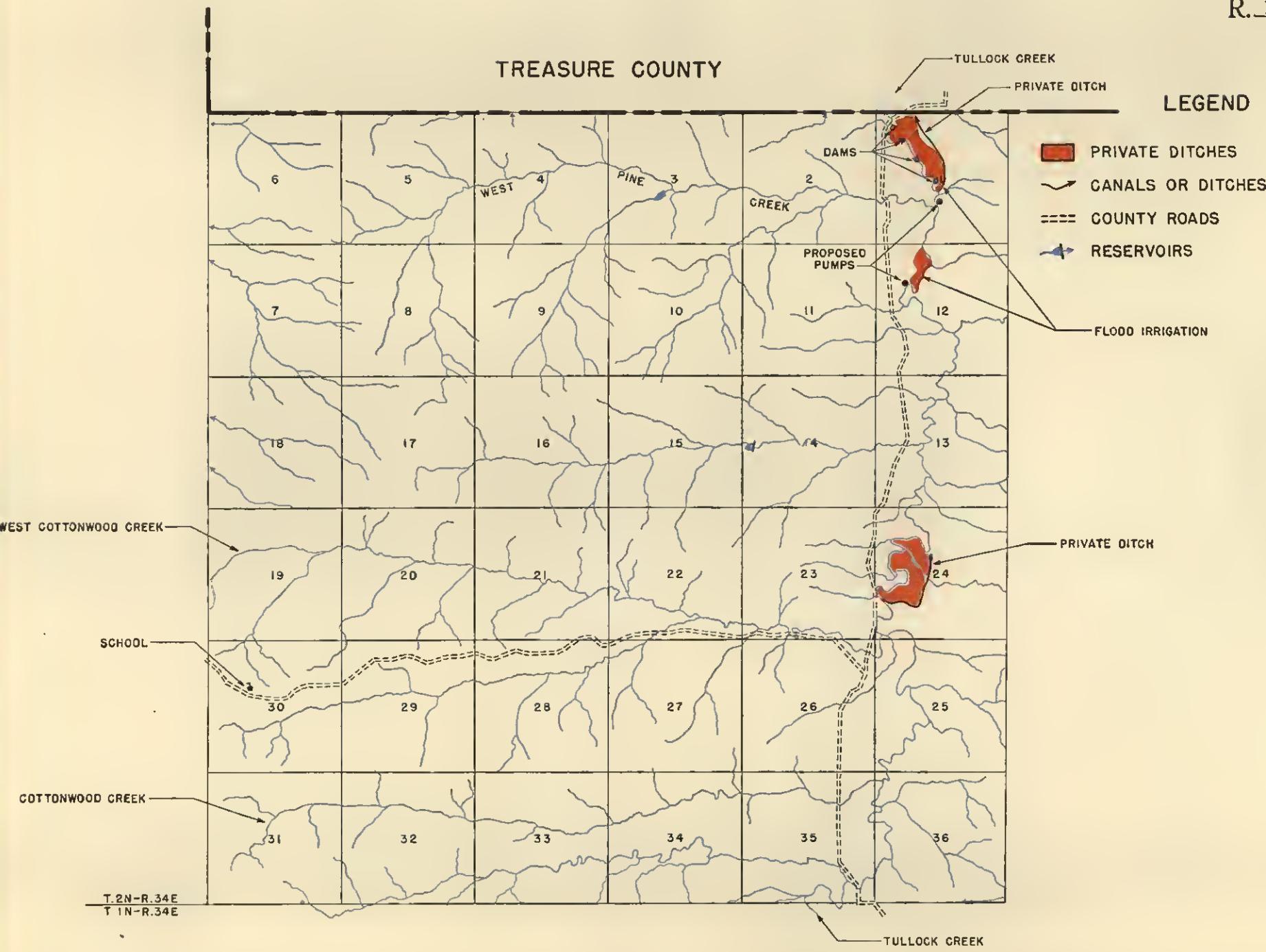
Township No. 2 NORTH

Range No. 35 EAST

County BIG HORN

T. 2 NORTH

R. 35 EAST



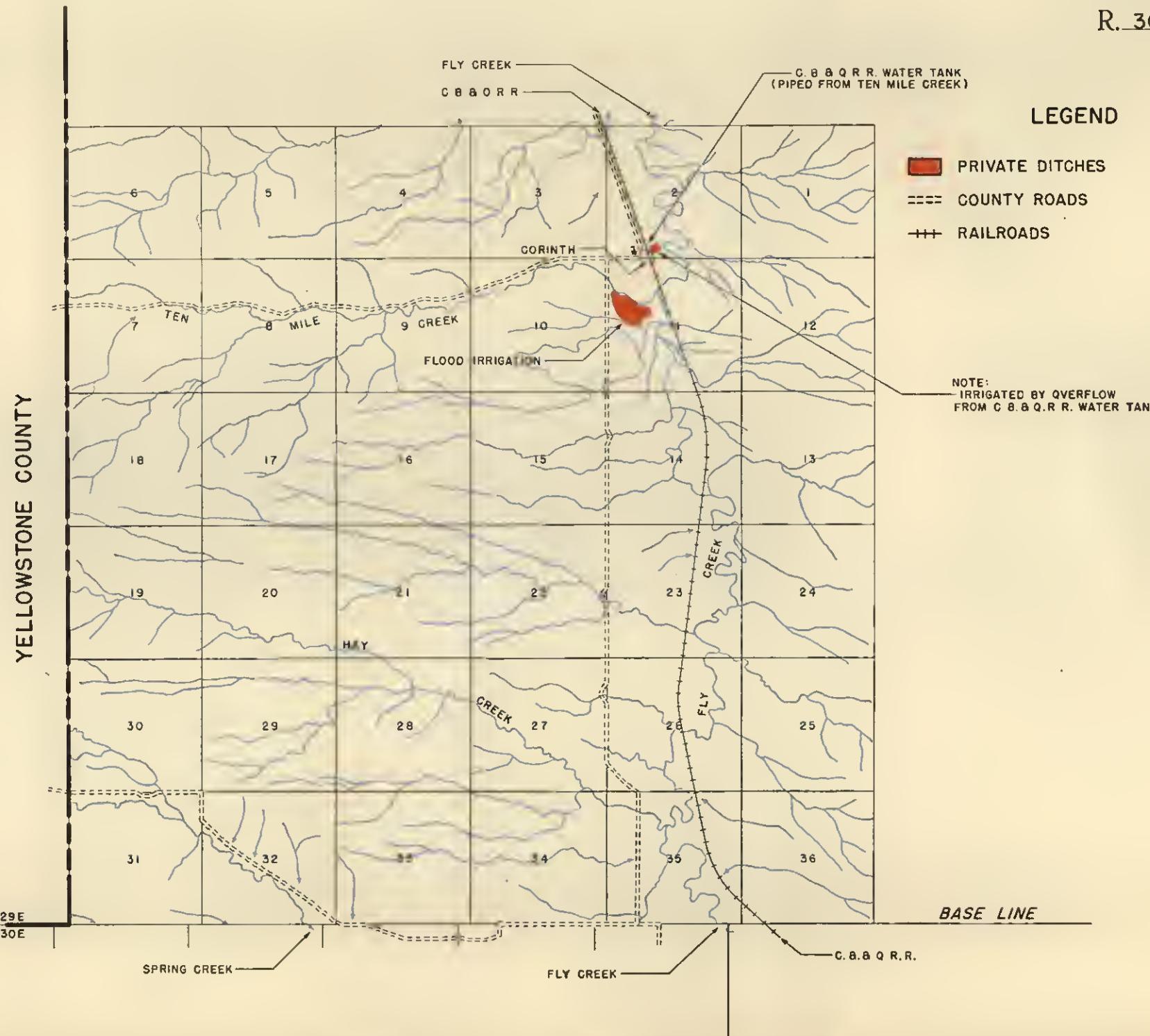
Township No. 1 NORTH

Range No. 30 EAST

County BIG HORN

T. 1 NORTH

R. 30 EAST



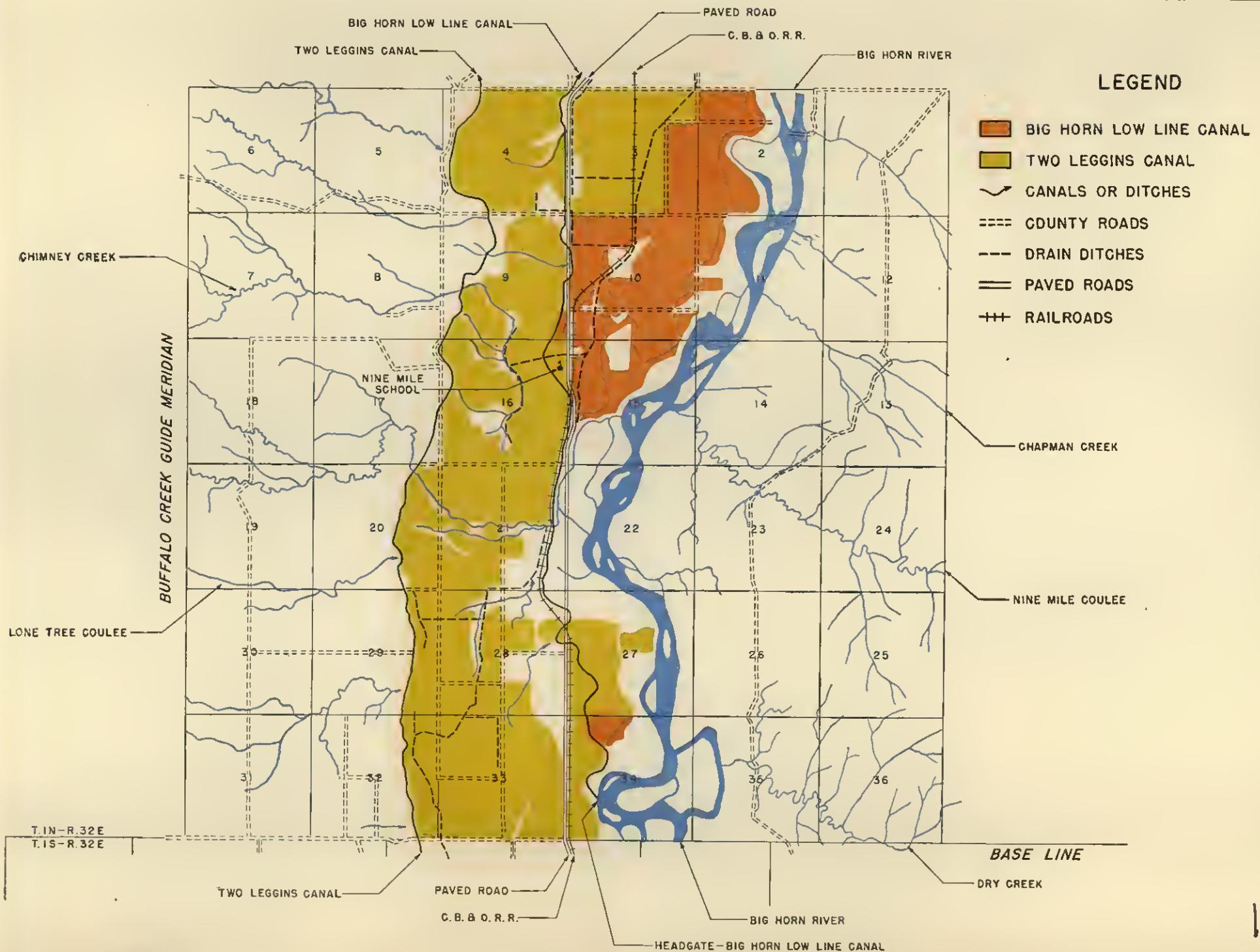
Township No. 1 NORTH

Range No. 33 EAST

County BIG HORN

T. 1 NORTH

R. 33 EAST



Township No. 1 NORTH

Range No. 38 EAST

County BIG HORN

T. 1 NORTH

R. 38 EAST

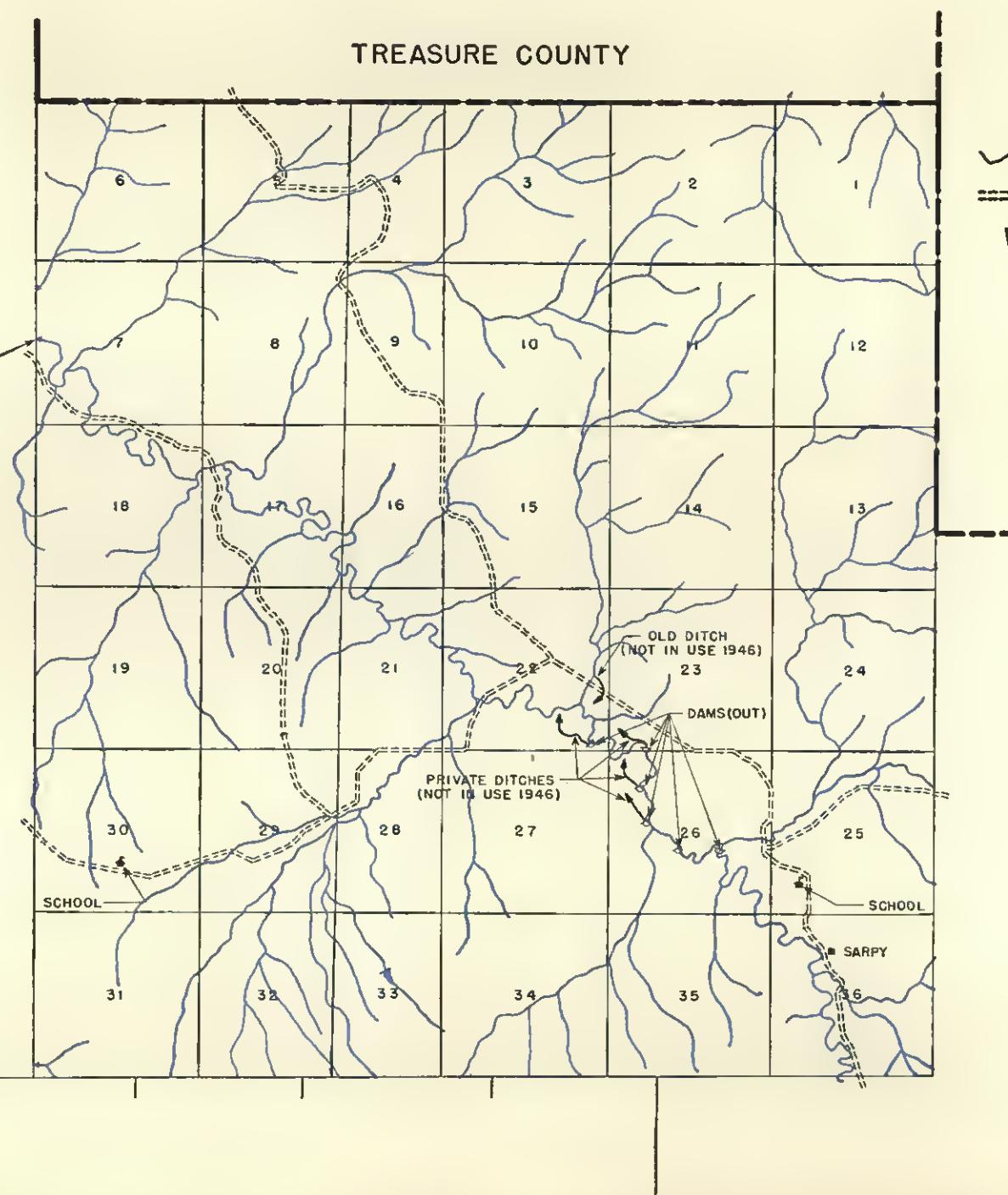
TREASURE COUNTY

EAST FORK SARPY CREEK

LEGEND

- ✓ CANALS OR DITCHES
- ==== COUNTY ROADS
- | RESERVOIRS

ROSEBUD COUNTY



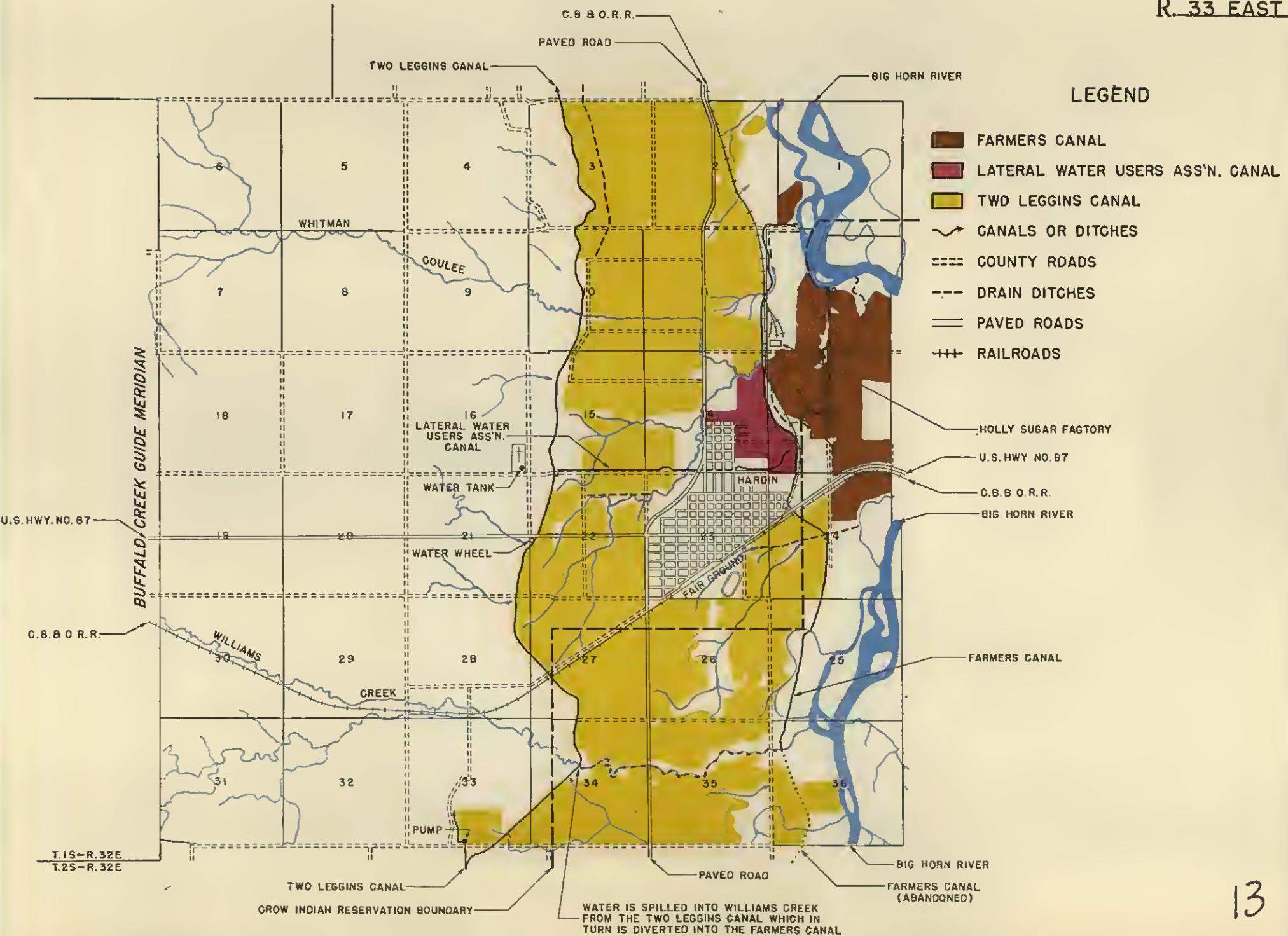
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Range No. 33 EAST

County BIG HORN

T. 1 SOUTH

R. 33 EAST



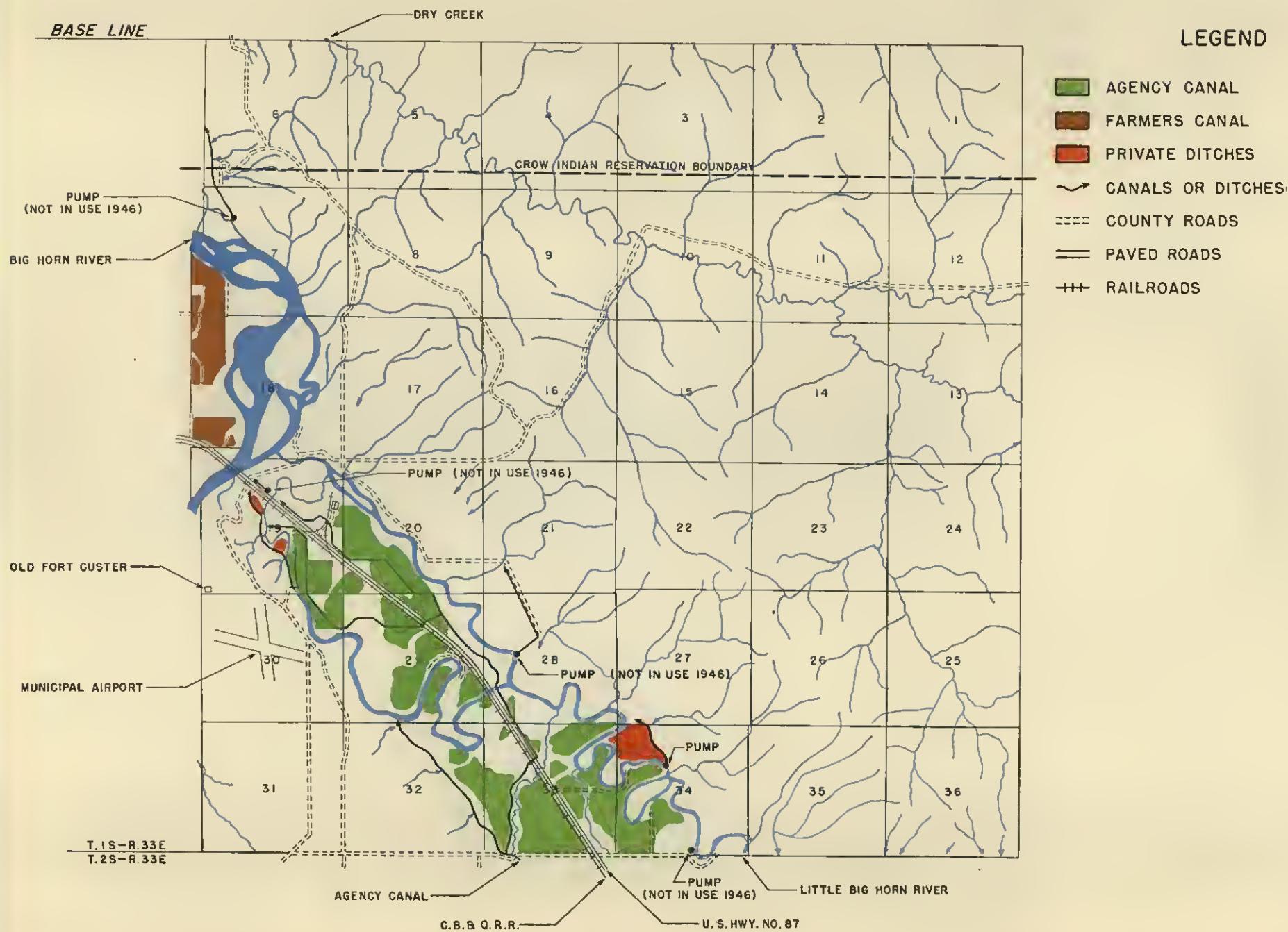
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Range No. 34 EAST

County BIG HORN

T. 1 SOUTH

R. 34 EAST



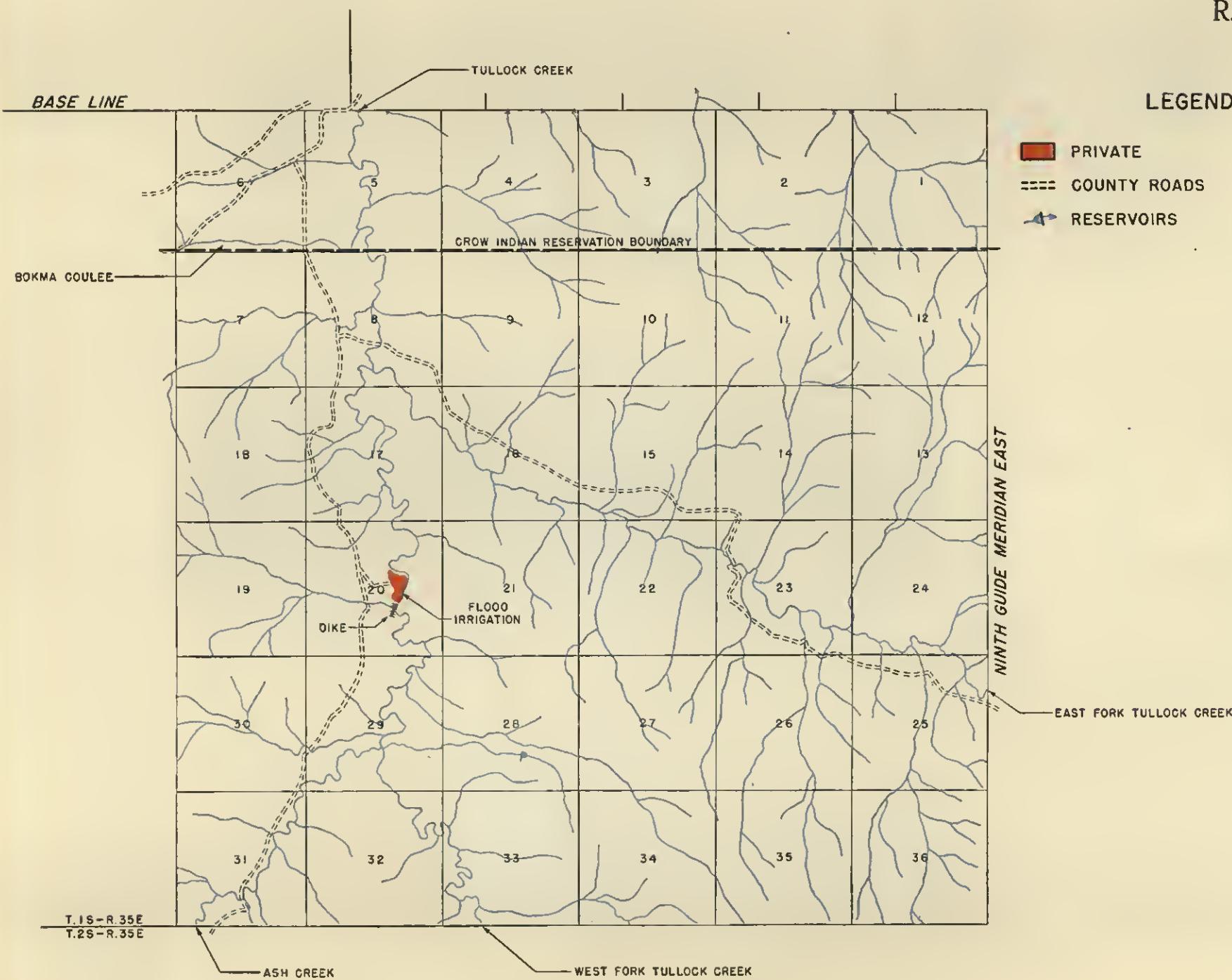
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Range No. 36 EAST

County BIG HORN

T. 1 SOUTH

R. 36 EAST



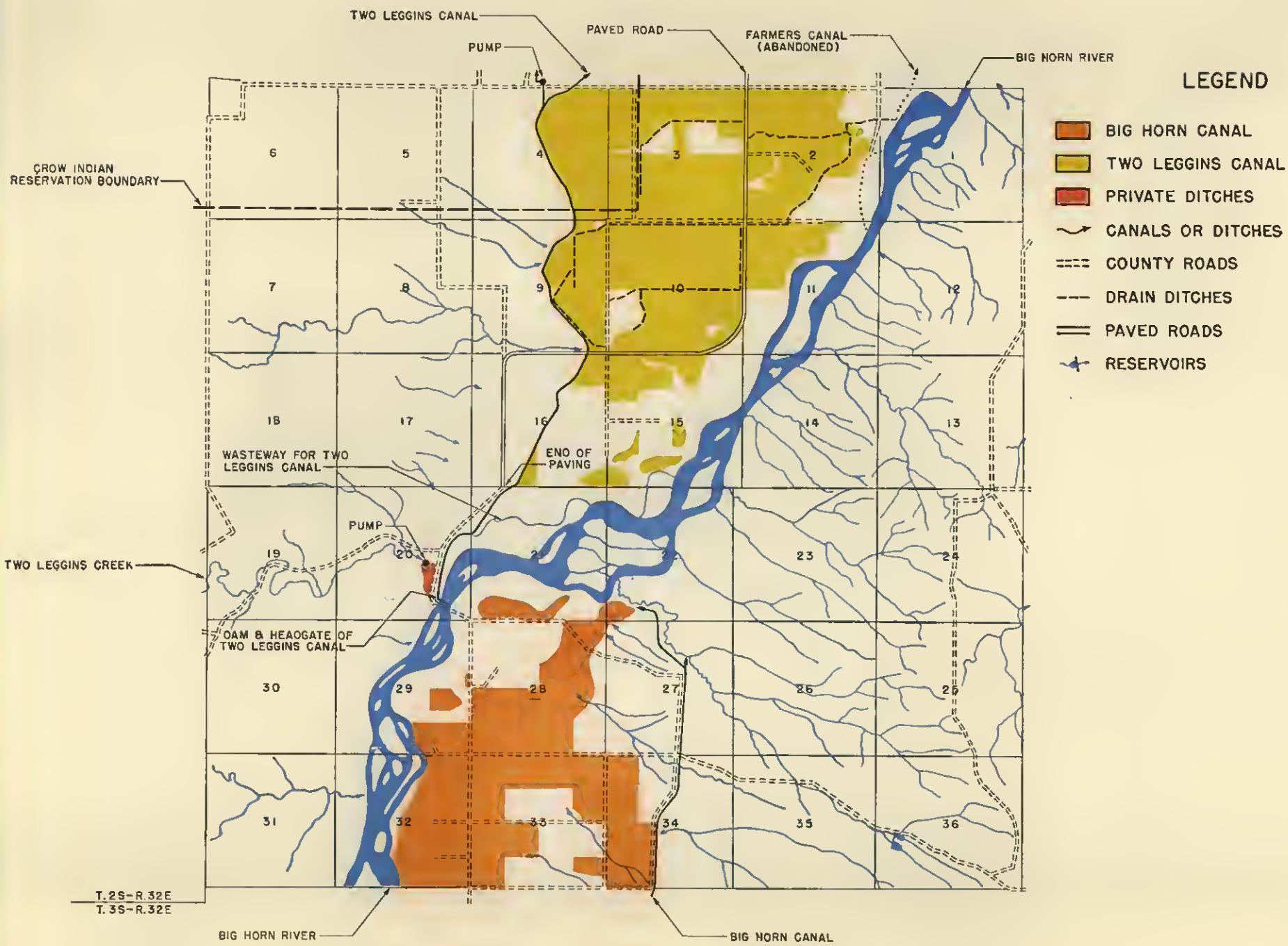
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Range No. 33 EAST

County BIG HORN

T. 2 SOUTH

R. 33 EAST



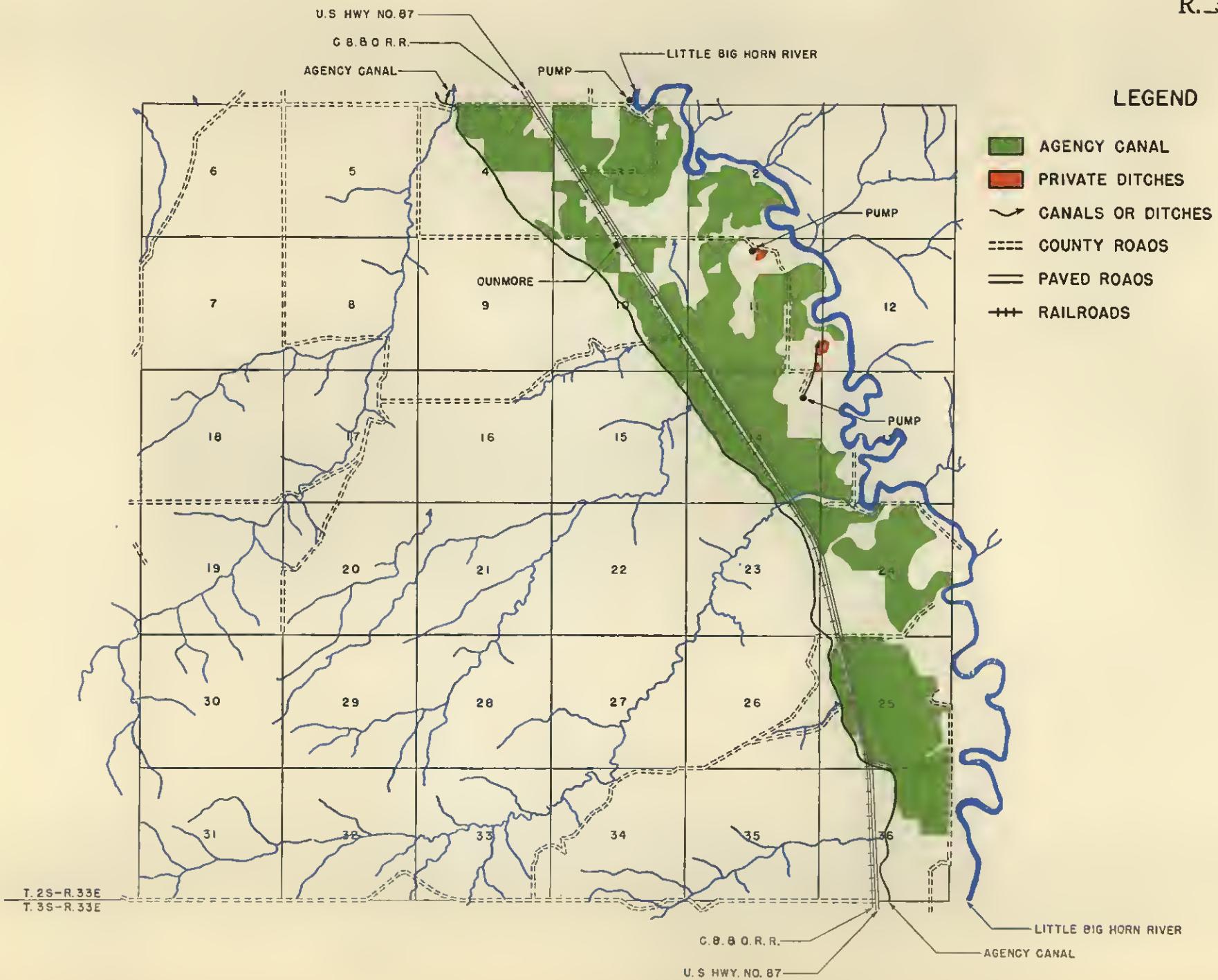
Township No. 2 SOUTH

Range No. 34 EAST

County BIG HORN

T. 2 SOUTH

R. 34 EAST



Township No. 2 SOUTH

Range No. 35 EAST

County BIG HORN

T. 2 SOUTH

R. 35 EAST

ASH CREEK

LEGEND

■ AGENCY CANAL

===== COUNTY ROADS

→ RESERVOIRS

LITTLE BIG HORN RIVER

PUMP  
(NOT IN USE 1946)

T. 2S-R. 34E  
T 35-R. 34E

LITTLE BIG HORN RIVER

ASH CREEK

Township No. 2 SOUTH

Range No. 40 EAST

County BIG HORN

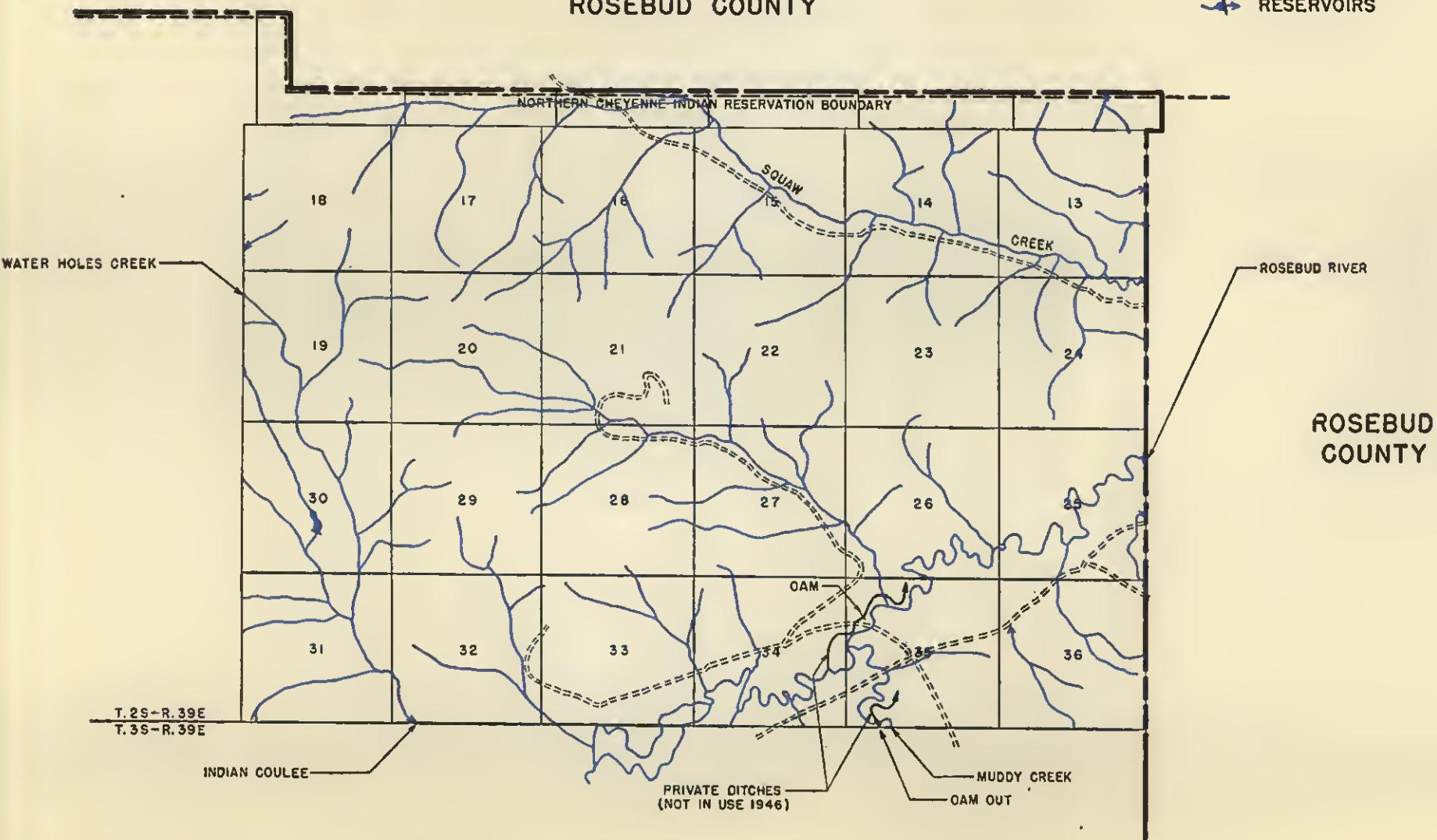
T. 2 SOUTH

R. 40 EAST

LEGEND

- CANALS OR DITCHES
- ==== COUNTY ROADS
- RESERVOIRS

ROSEBUD COUNTY



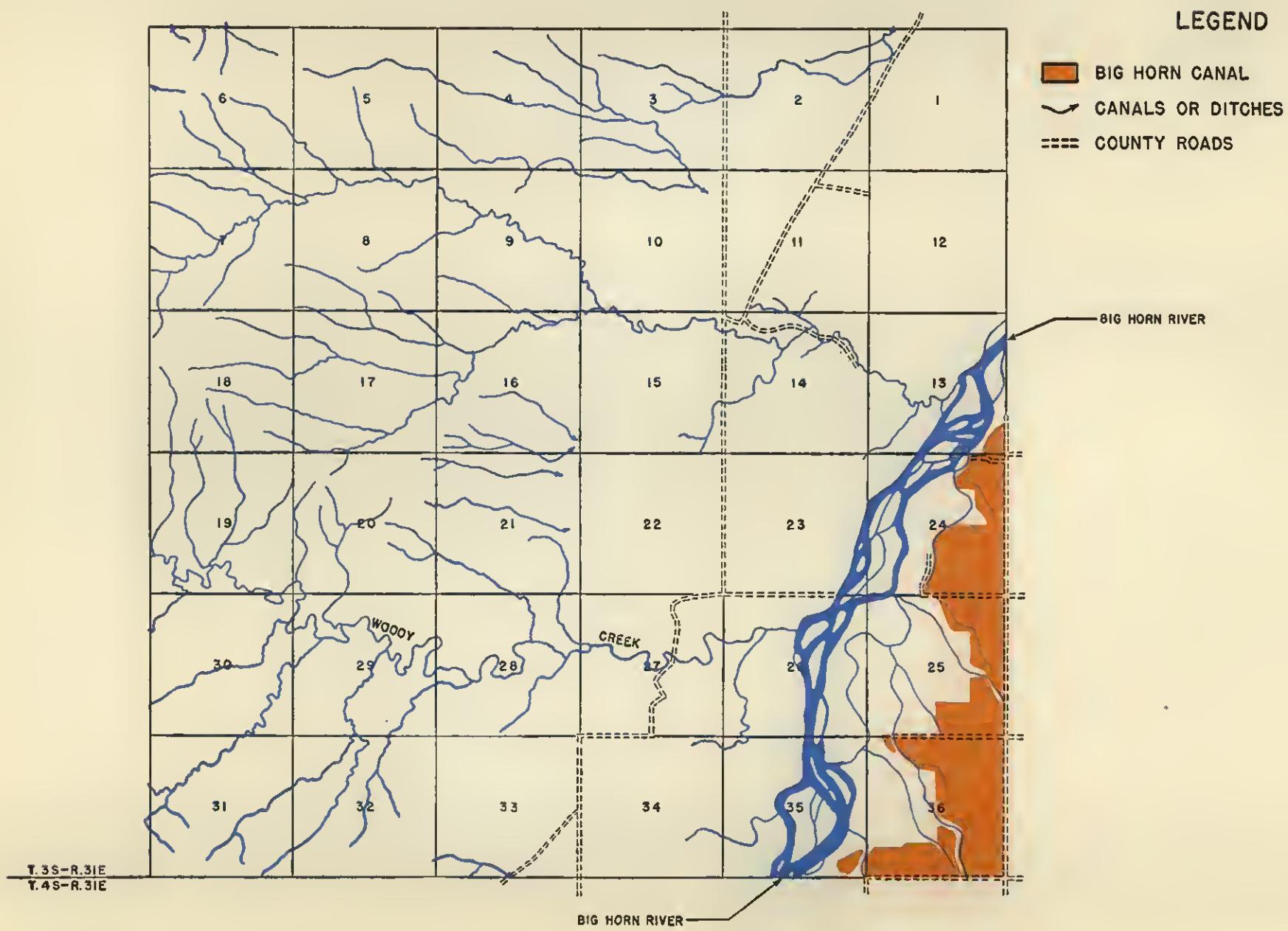
Township No. 3 SOUTH

Range No. 32 EAST

County BIG HORN

T. 3 SOUTH

R. 32 EAST



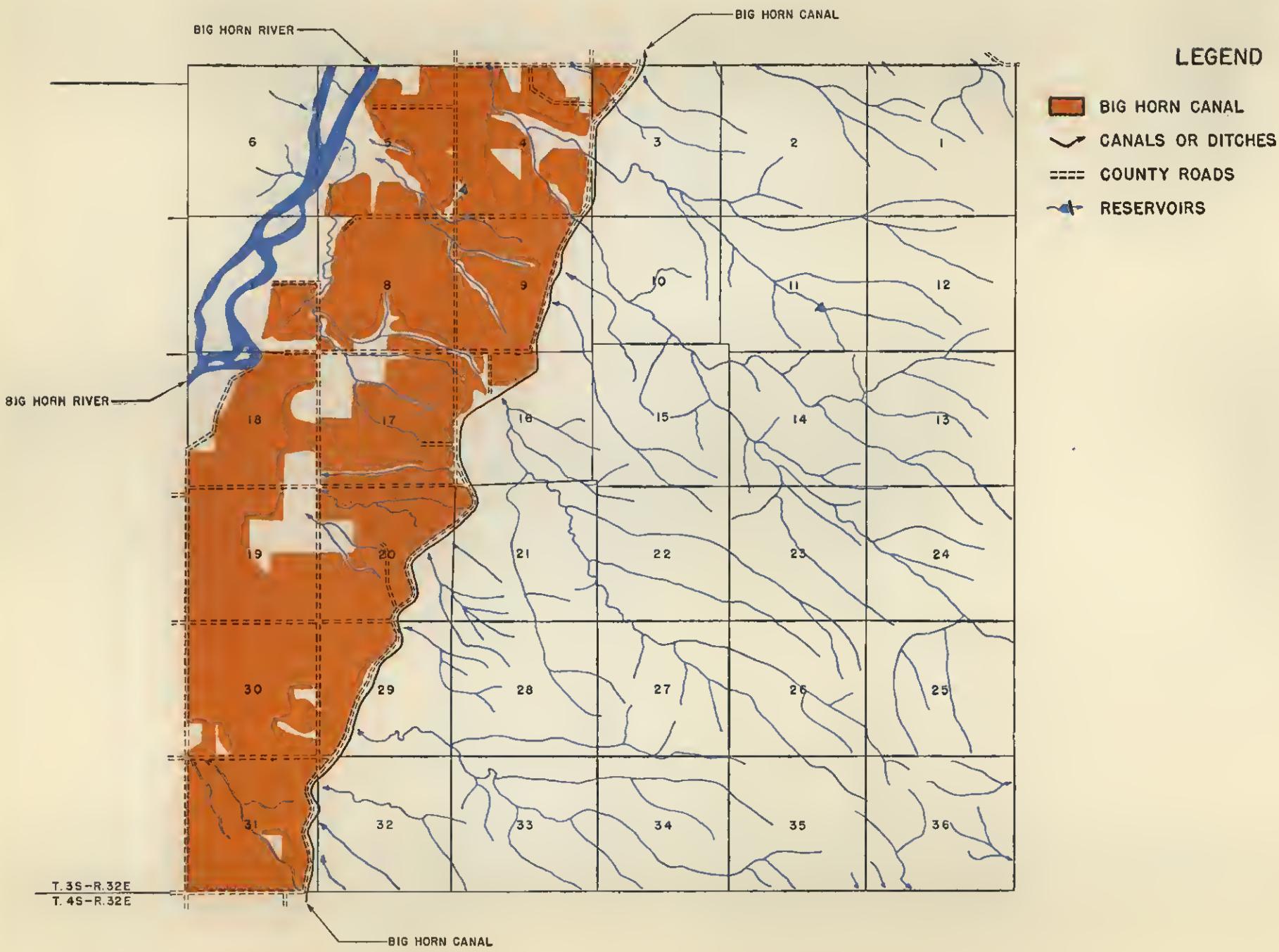
Township No. 3 SOUTH

Range No. 33 EAST

County BIG HORN

T. 3 SOUTH

R. 33 EAST



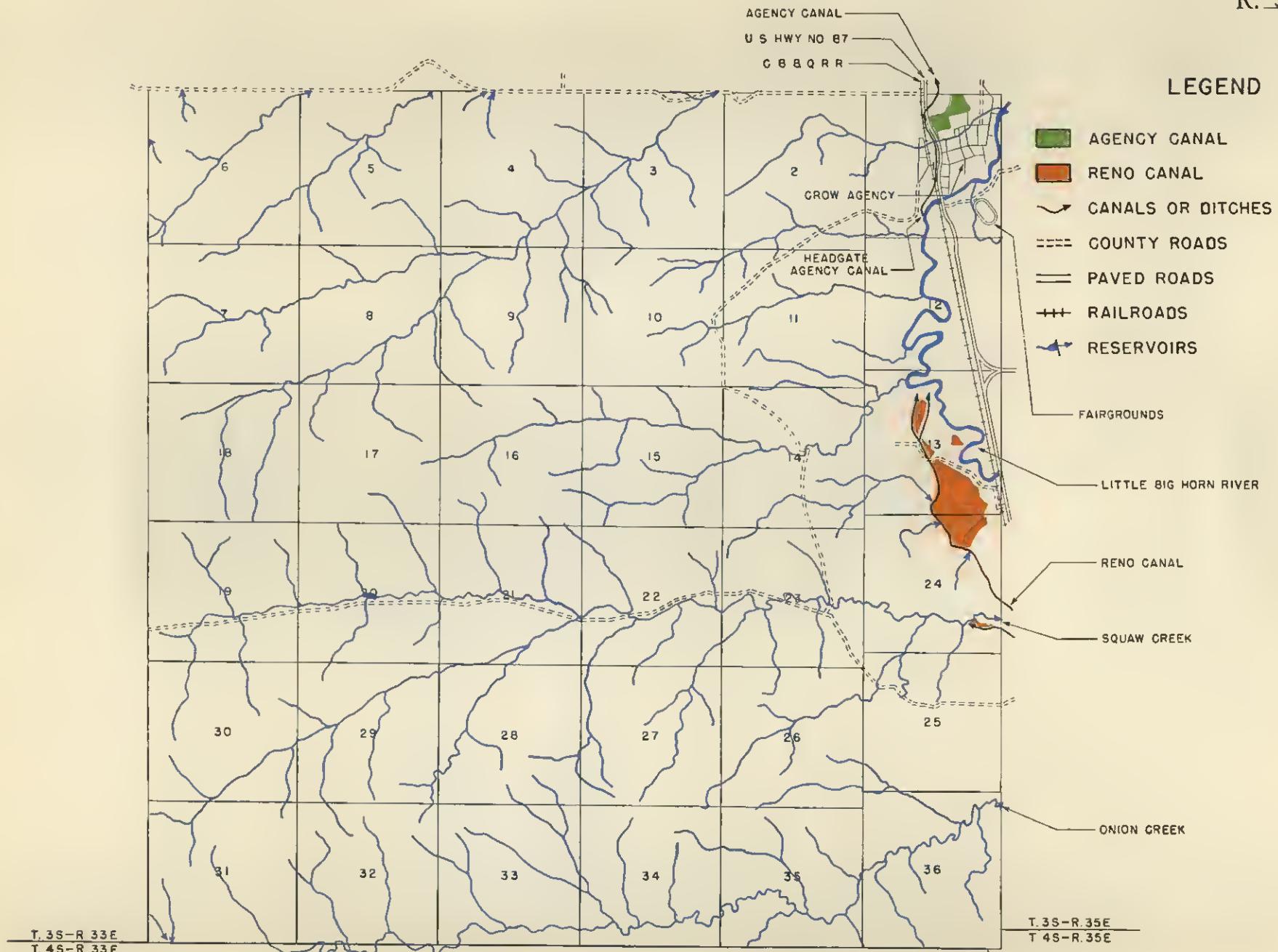
Township No 3 SOUTH

Range No 34 EAST

County BIG HORN

T. 3 SOUTH

R. 34 EAST



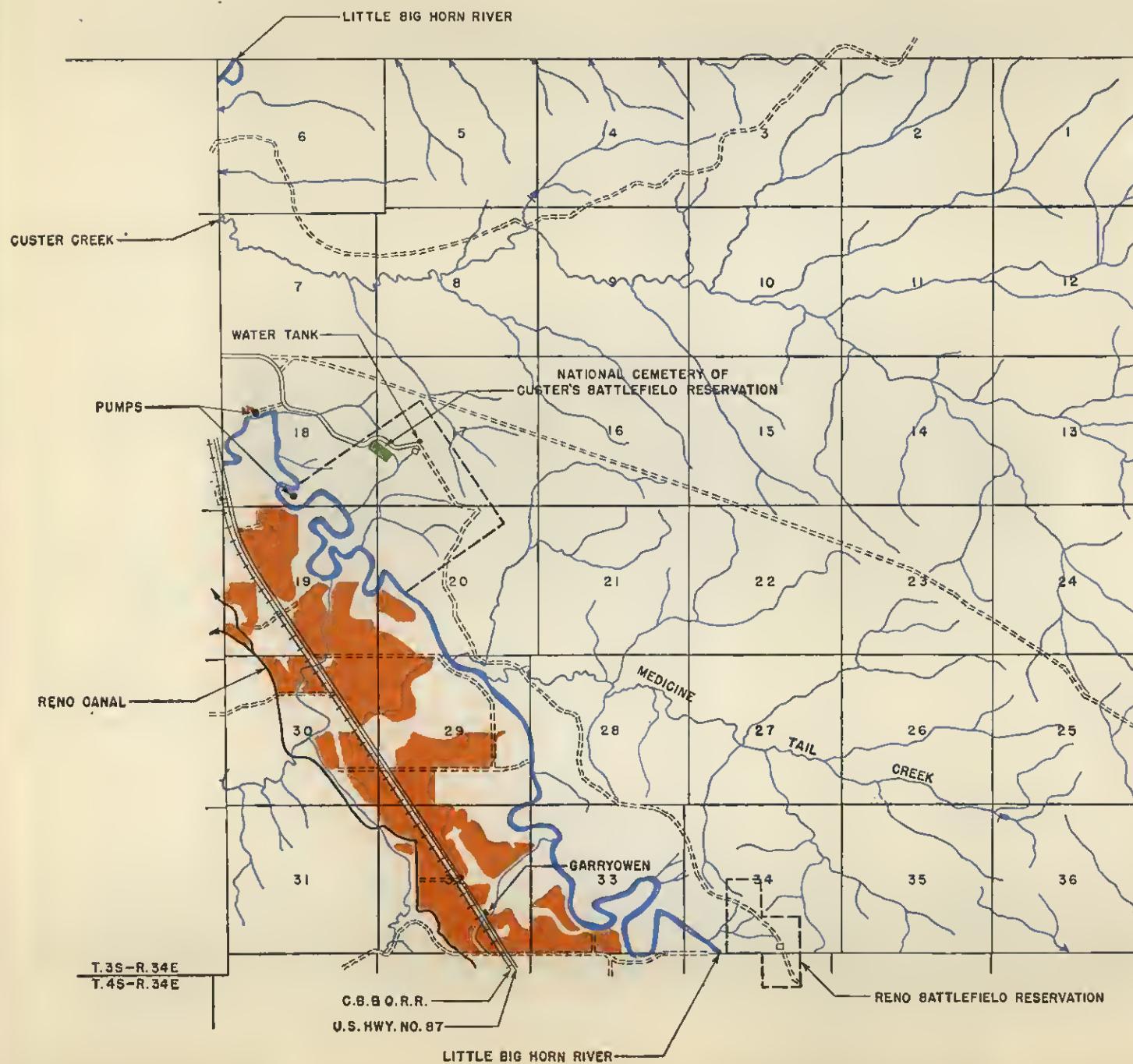
Township No. 3 SOUTH

Range No. 35 EAST

County BIG HORN

T. 3 SOUTH

R. 35 EAST



LEGEND

- RENO CANAL
- PRIVATE DITCHES
- CANALS OR DITCHES
- COUNTY ROADS
- PAVED ROADS
- RAILROADS
- RESERVOIRS

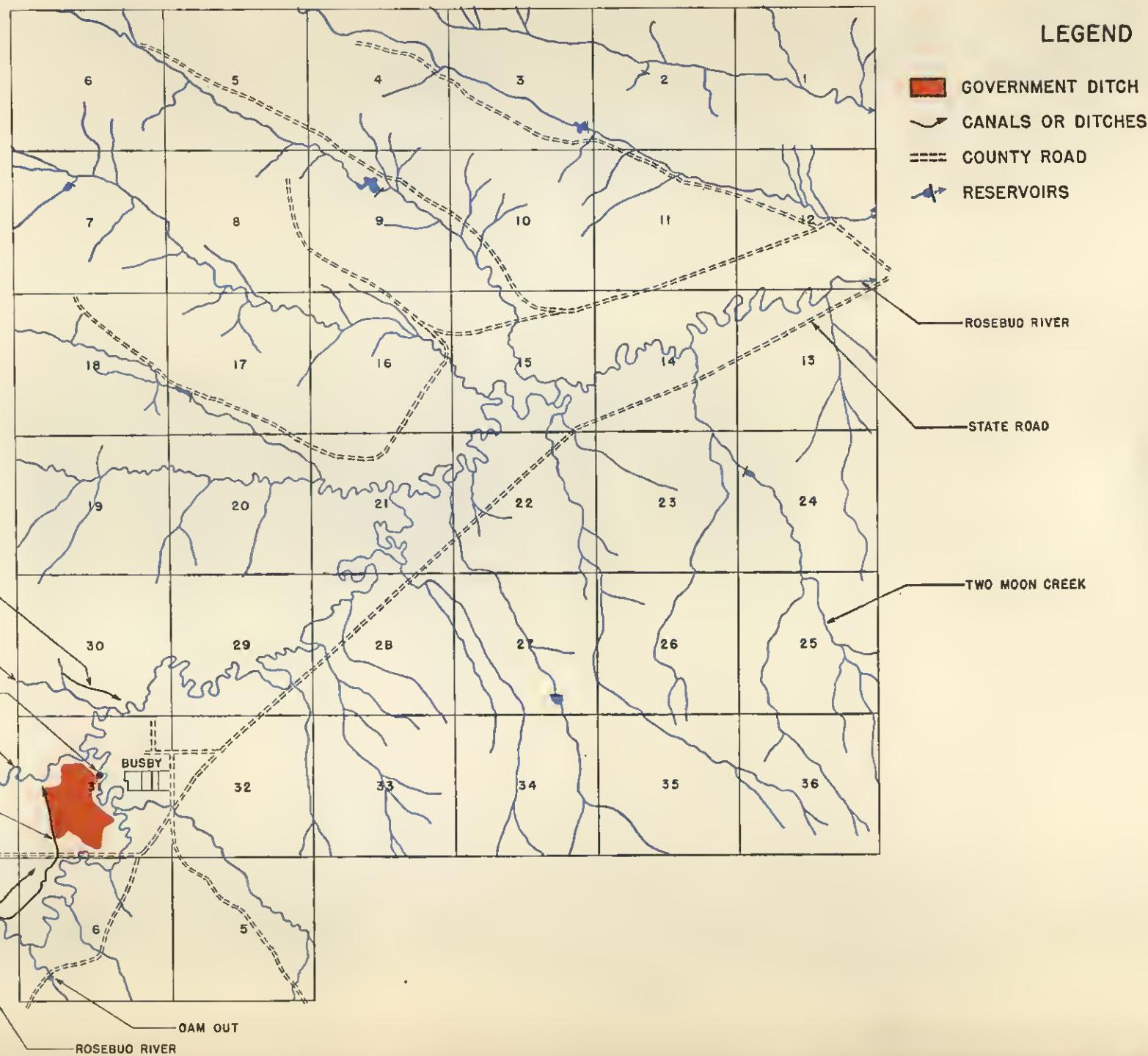
Township No. 3 SOUTH

Range No. 39 EAST

County BIG HORN

T. 3 SOUTH

R. 39 EAST



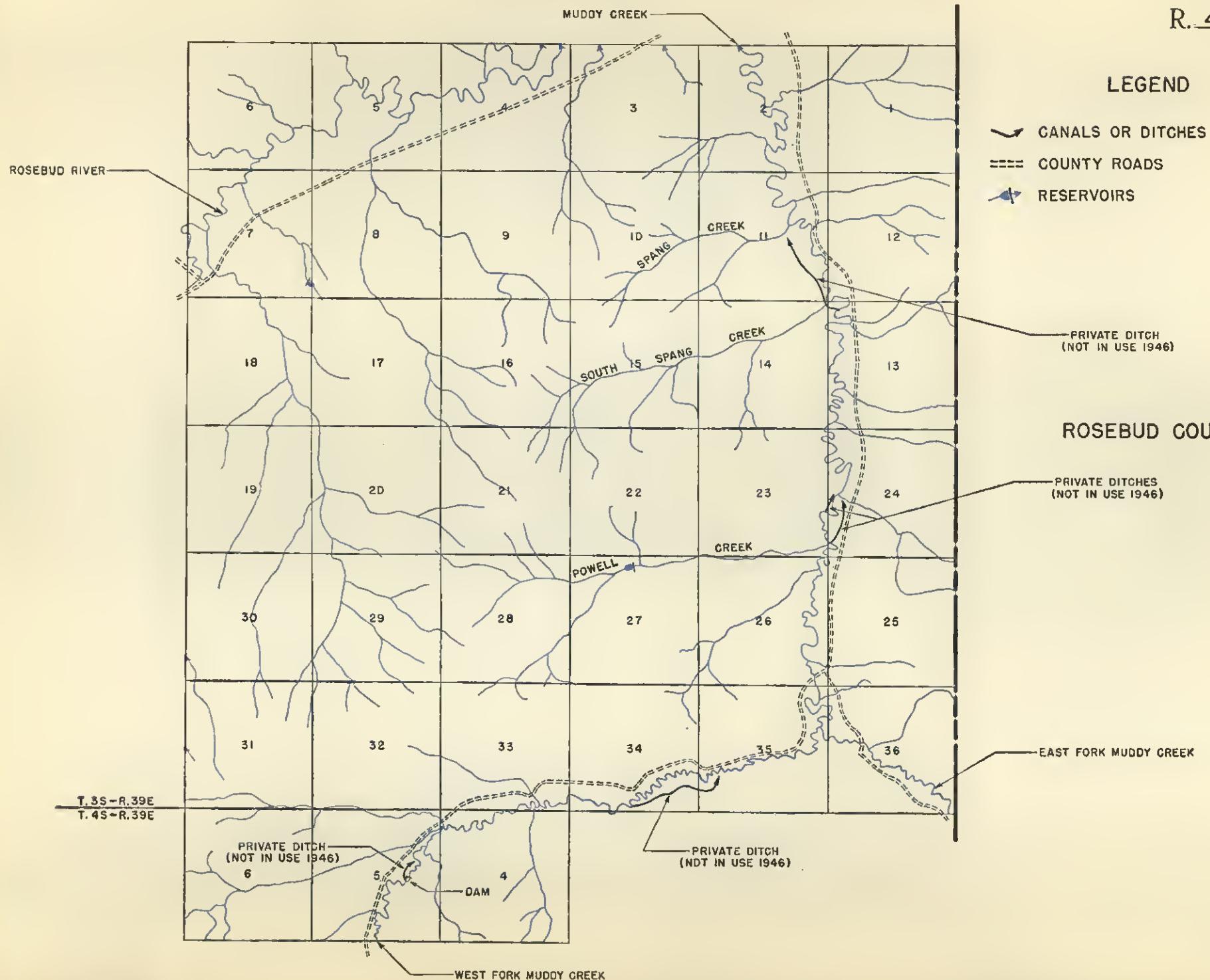
Township No. 3 SOUTH

Range No. 40 EAST

County BIG HORN

T. 3 SOUTH

R. 40 EAST



Township No. 4 SOUTH

Range No. 26 EAST

County BIG HORN

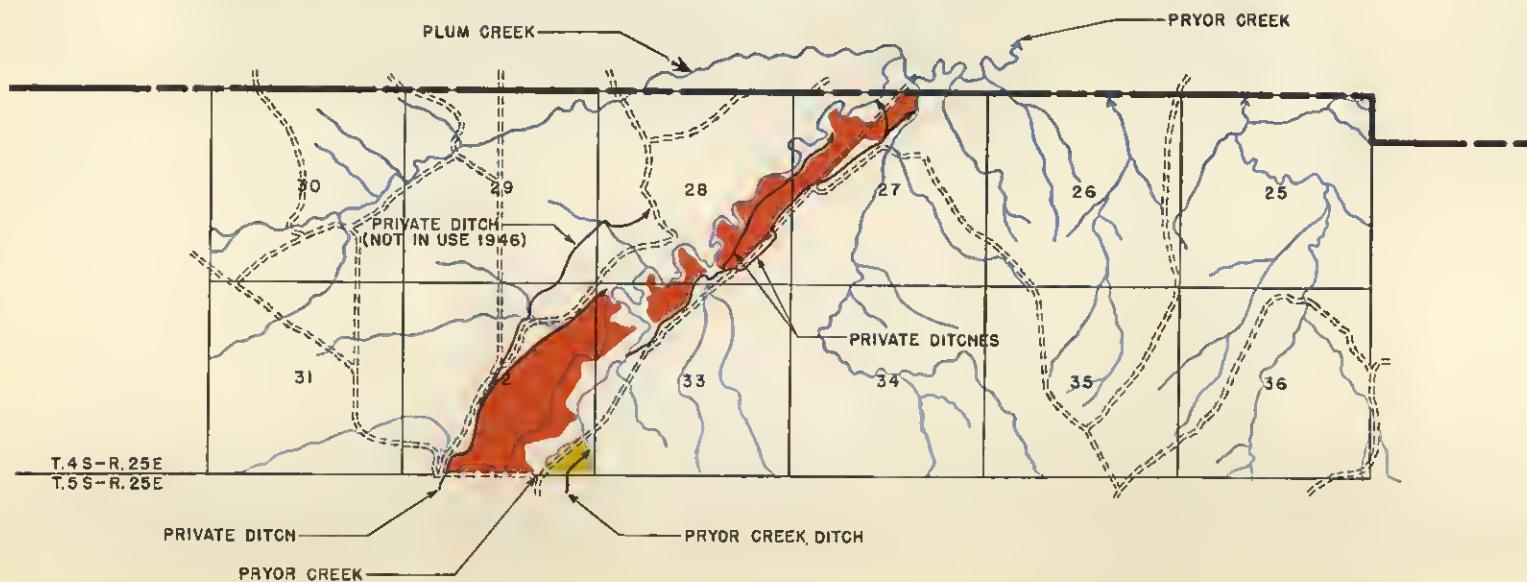
T. 4 SOUTH

R. 26 EAST

LEGEND

- █ PRYOR CREEK DITCH
- █ PRIVATE DITCHES
- ~ CANALS OR DITCHES
- ===== COUNTY ROADS

YELLOWSTONE COUNTY



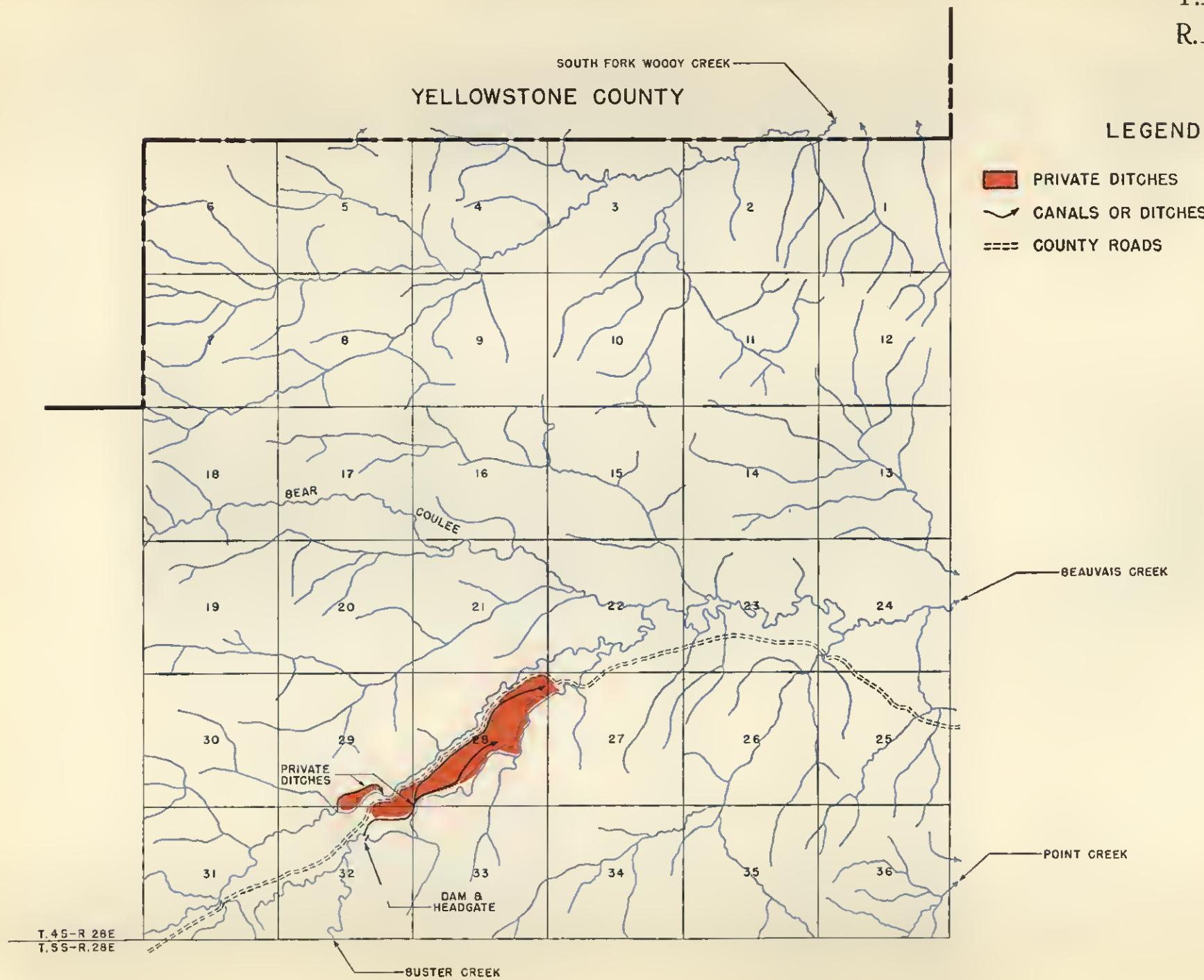
Township No. 4 SOUTH

Range No. 29 EAST

County BIG HORN

T. 4 SOUTH

R. 29 EAST



Township No. 4 SOUTH

Range No. 30 EAST

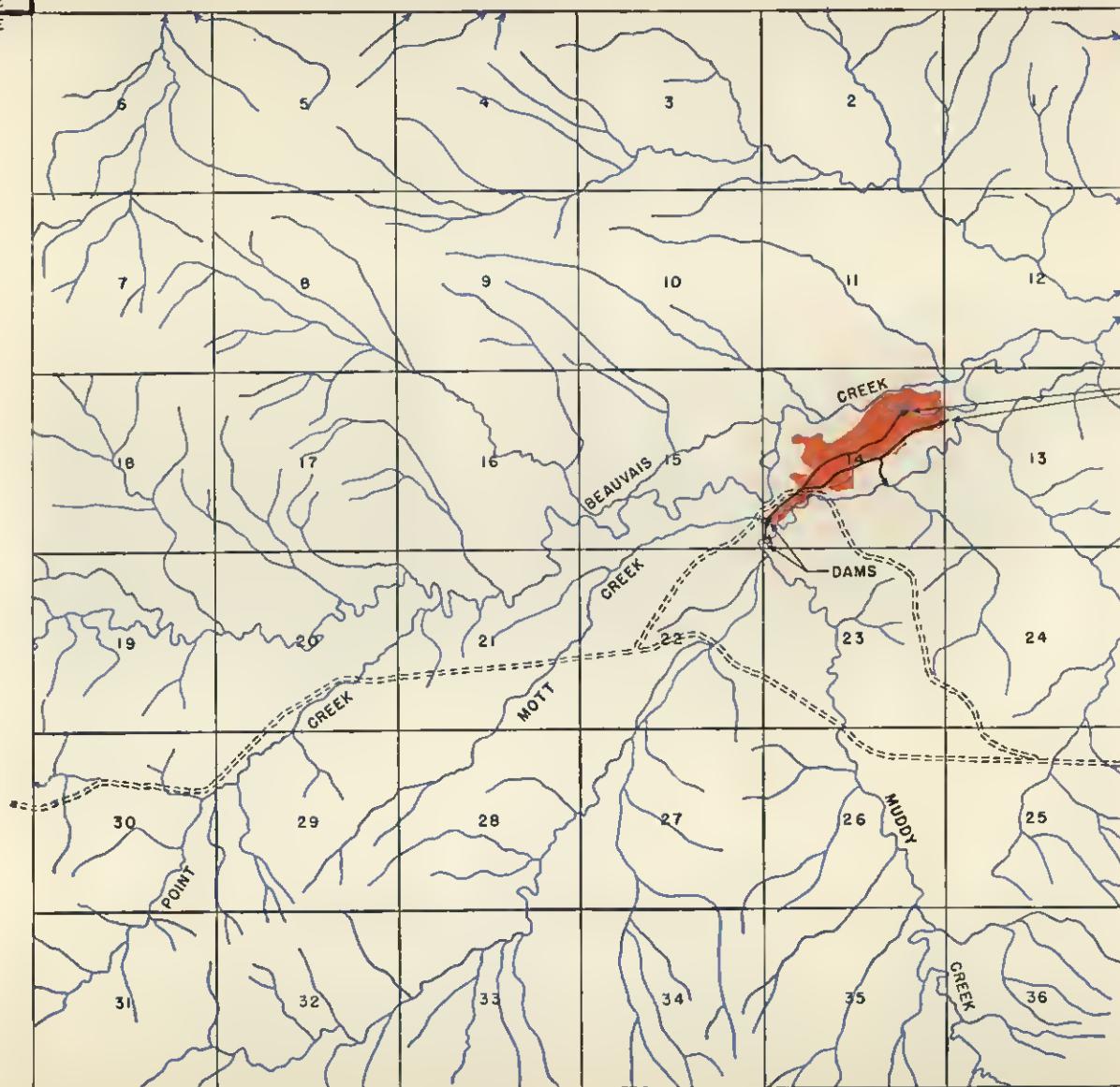
County BIG HORN

T. 4 SOUTH

R. 30 EAST

YELLOWSTONE  
COUNTY

T.3S-R.29E  
T.4S-R.29E



LEGEND

- PRIVATE DITCHES
- CANALS OR DITCHES
- COUNTY ROADS

PRIVATE DITCHES

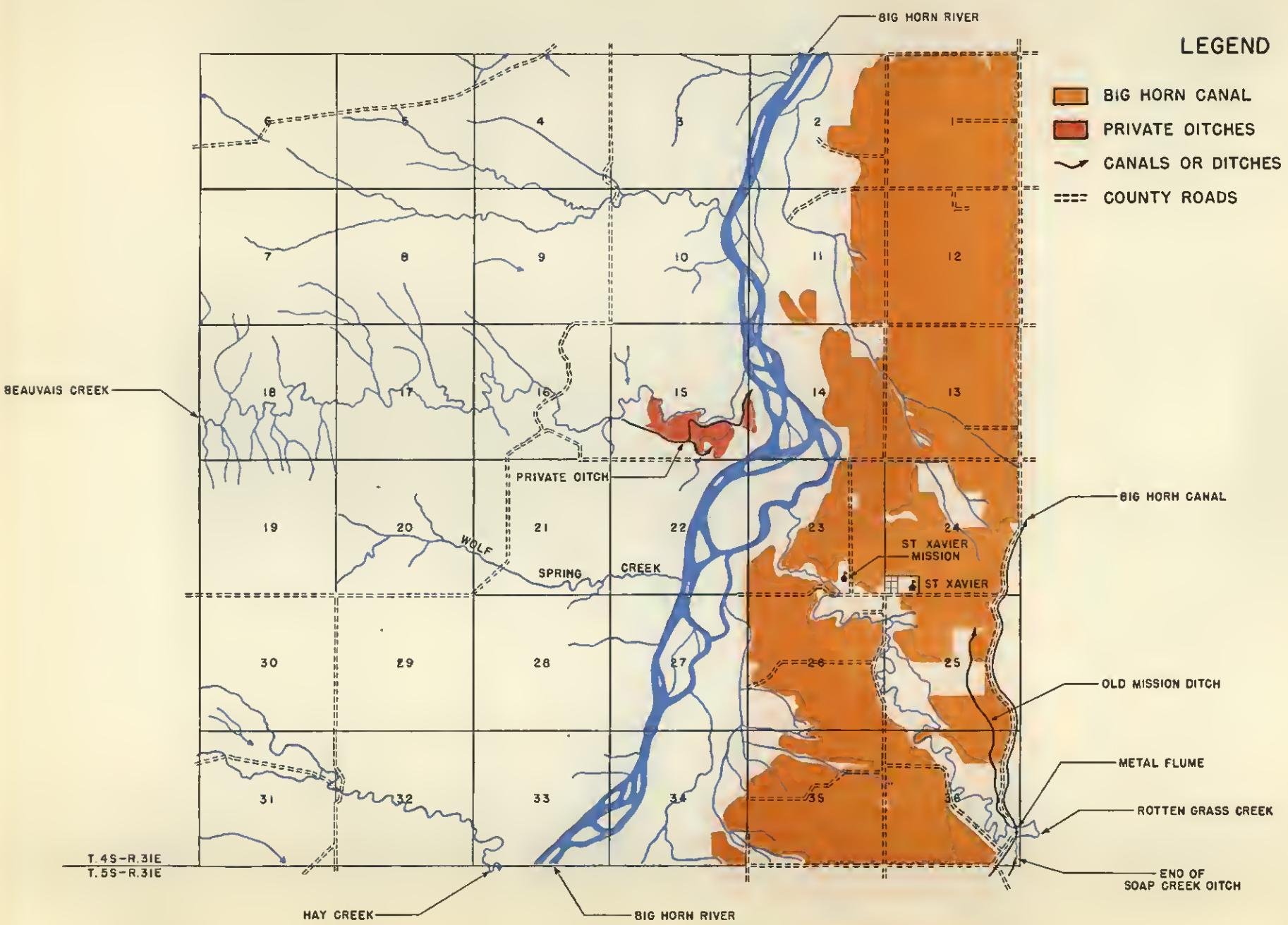
Township No. 4 SOUTH

Range No. 32 EAST

County BIG HORN

T. 4 SOUTH

R. 32 EAST



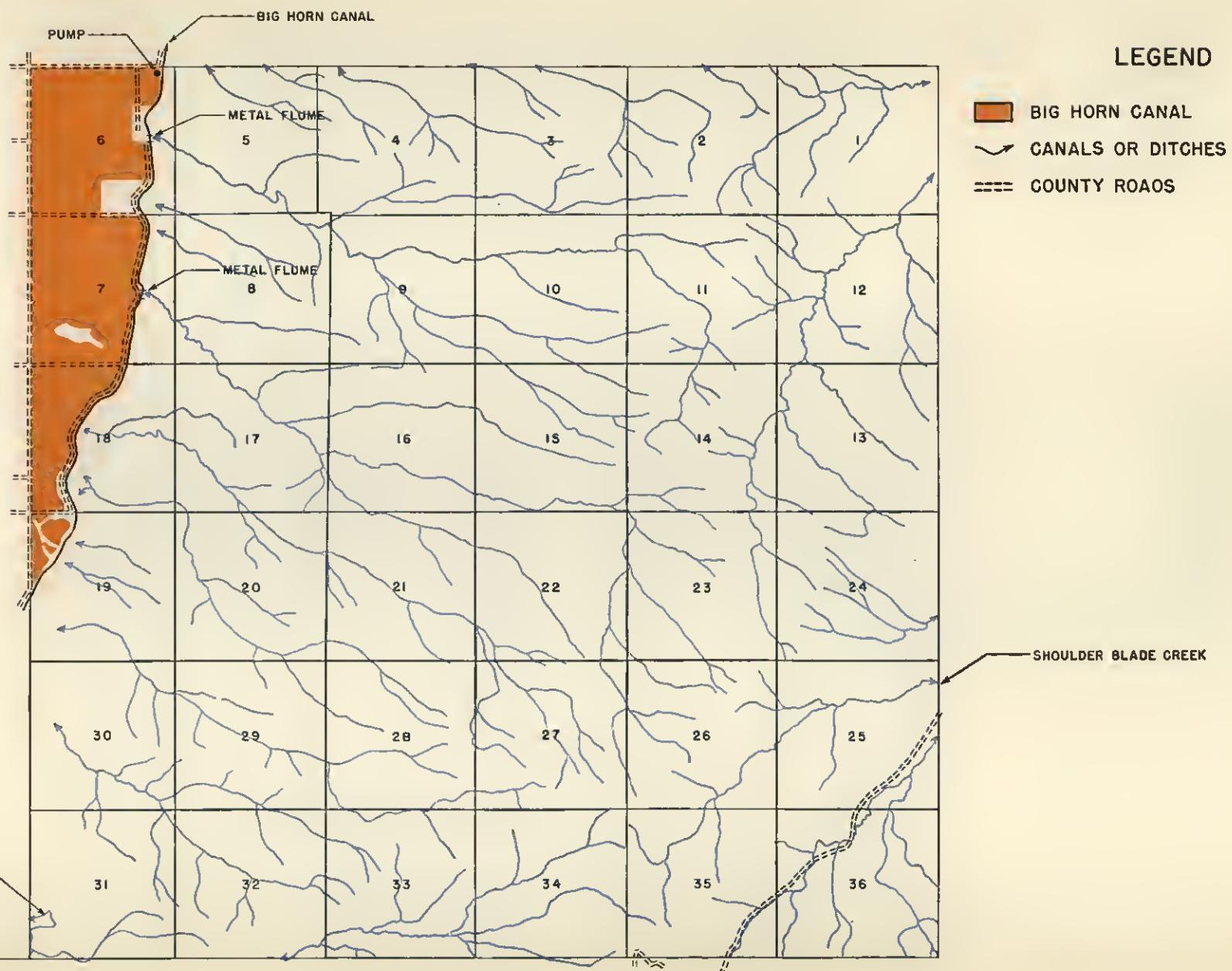
Township No. 4 SOUTH

Range No. 33 EAST

County BIG HORN

T. 4 SOUTH

R. 33 EAST



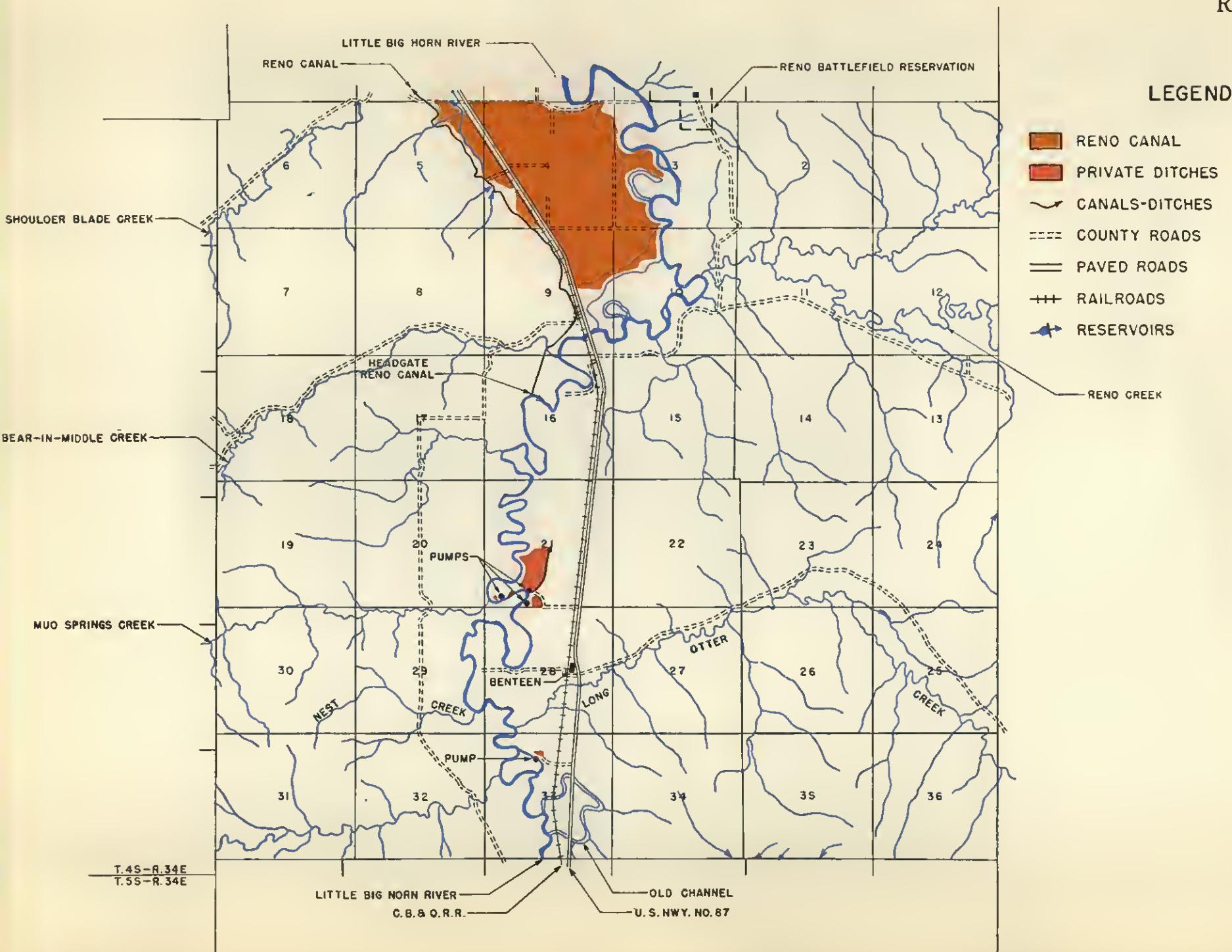
Township No. 4 SOUTH

Range No. 35 EAST

County BIG HORN

T. 4 SOUTH

R. 35 EAST



### LEGEND

- RENO CANAL
- PRIVATE DITCHES
- CANALS-DITCHES
- COUNTY ROADS
- PAVED ROADS
- RAILROADS
- RESERVOIRS

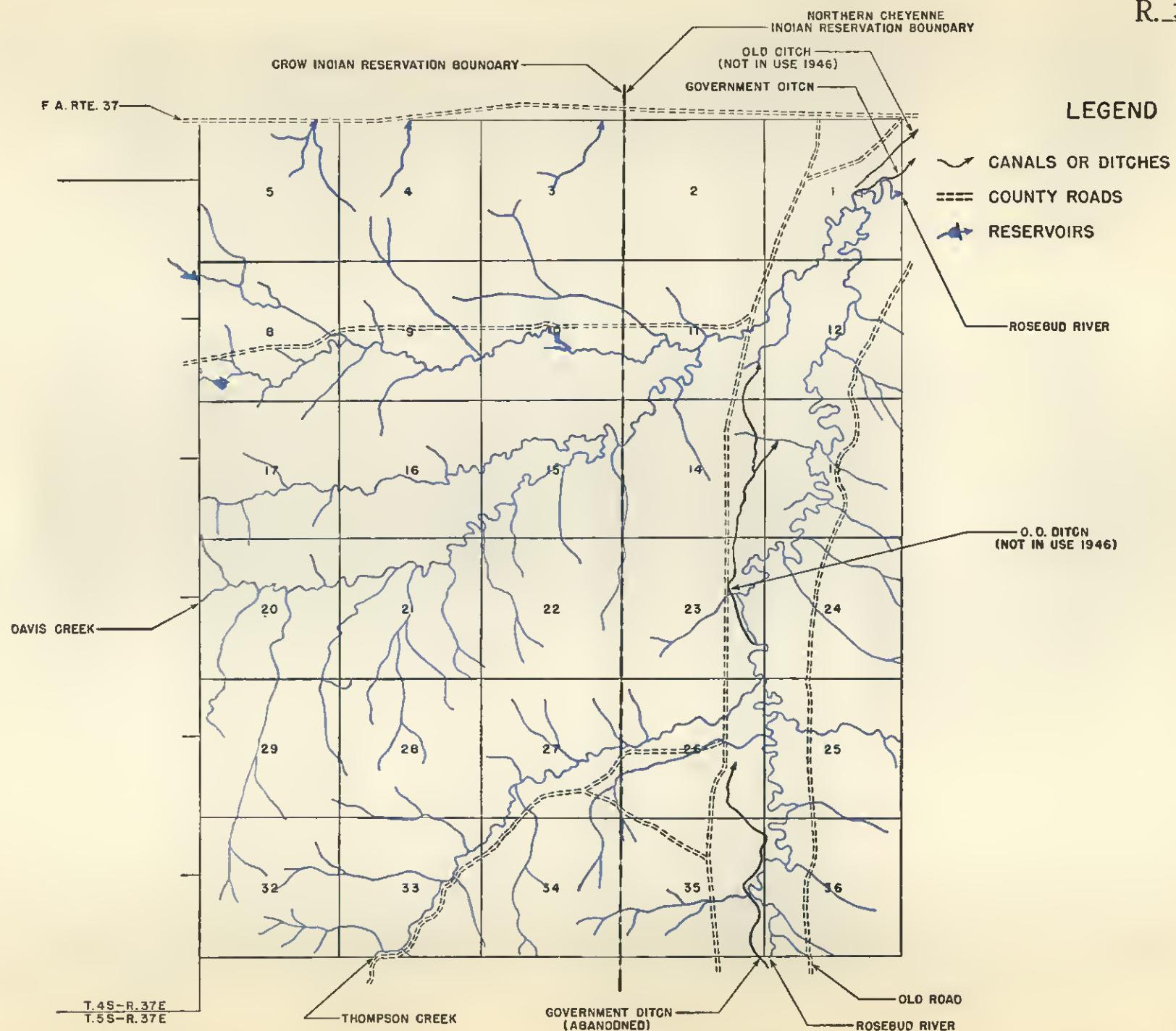
Township No. 4 SOUTH

Range No. 38 EAST

County BIG HORN

T. 4 SOUTH

R. 38 EAST



Township No. 5 SOUTH

Range No. 26 EAST

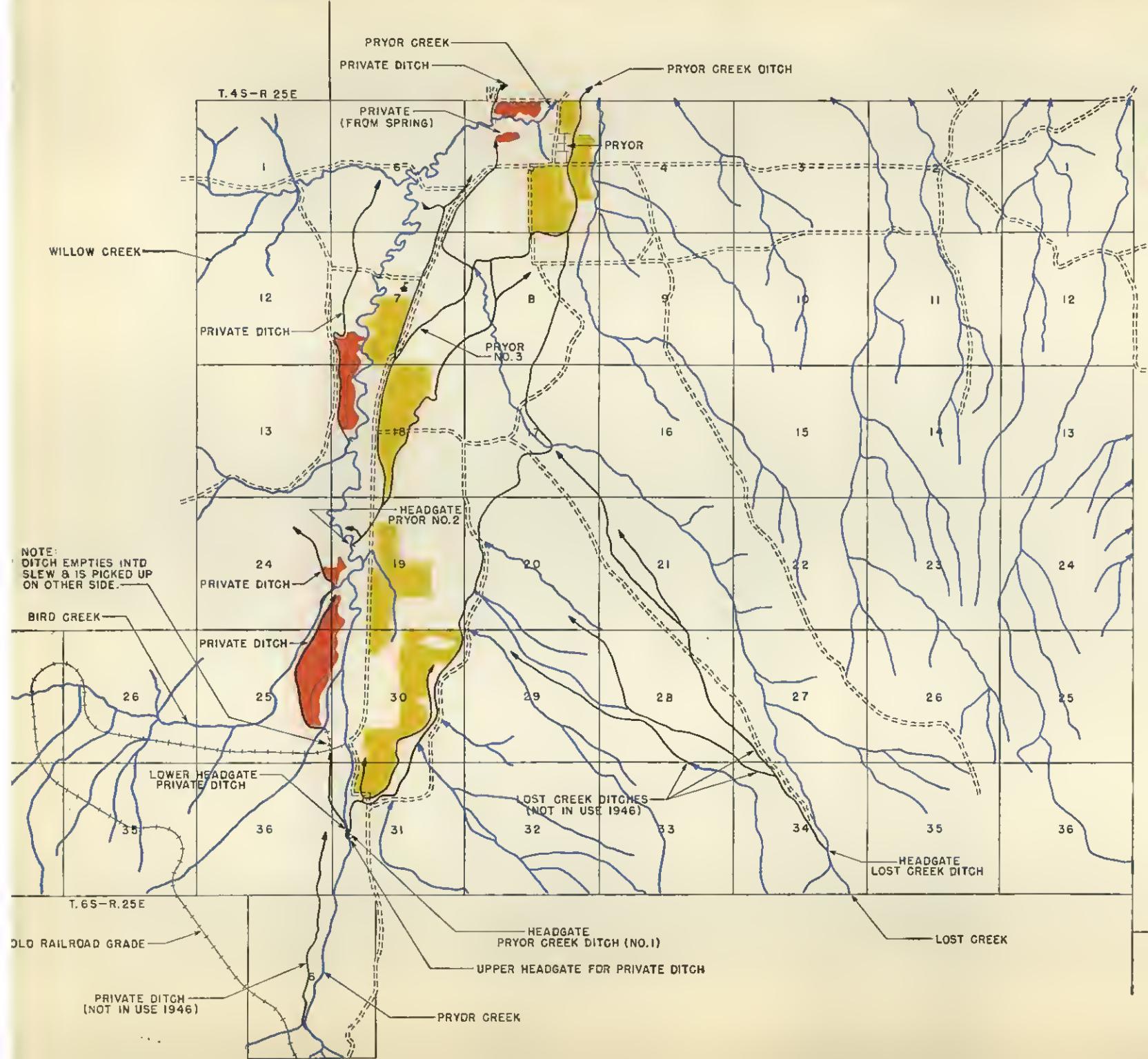
County BIG HORN

T. 5 SOUTH

R. 26 EAST

LEGEND

- [Yellow Box] PRYOR CREEK DITCH
- [Red Box] PRIVATE DITCHES
- [Curved Line] CANALS OR DITCHES
- [Dashed Line] COUNTY ROADS
- [Plus Sign] RAILROADS



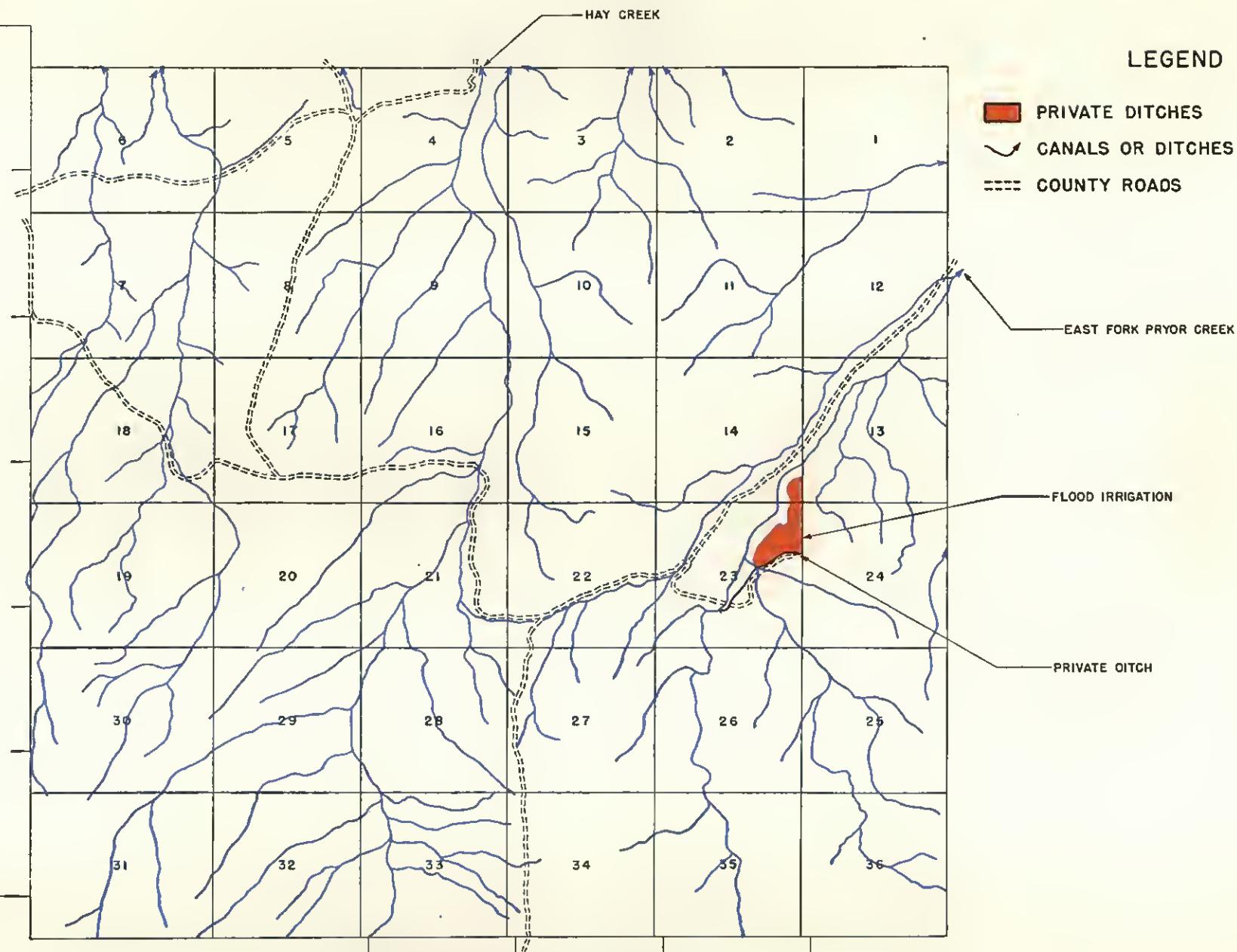
Township No. 5 SOUTH

Range No. 27 EAST

County BIG HORN

T. 5 SOUTH

R. 27 EAST



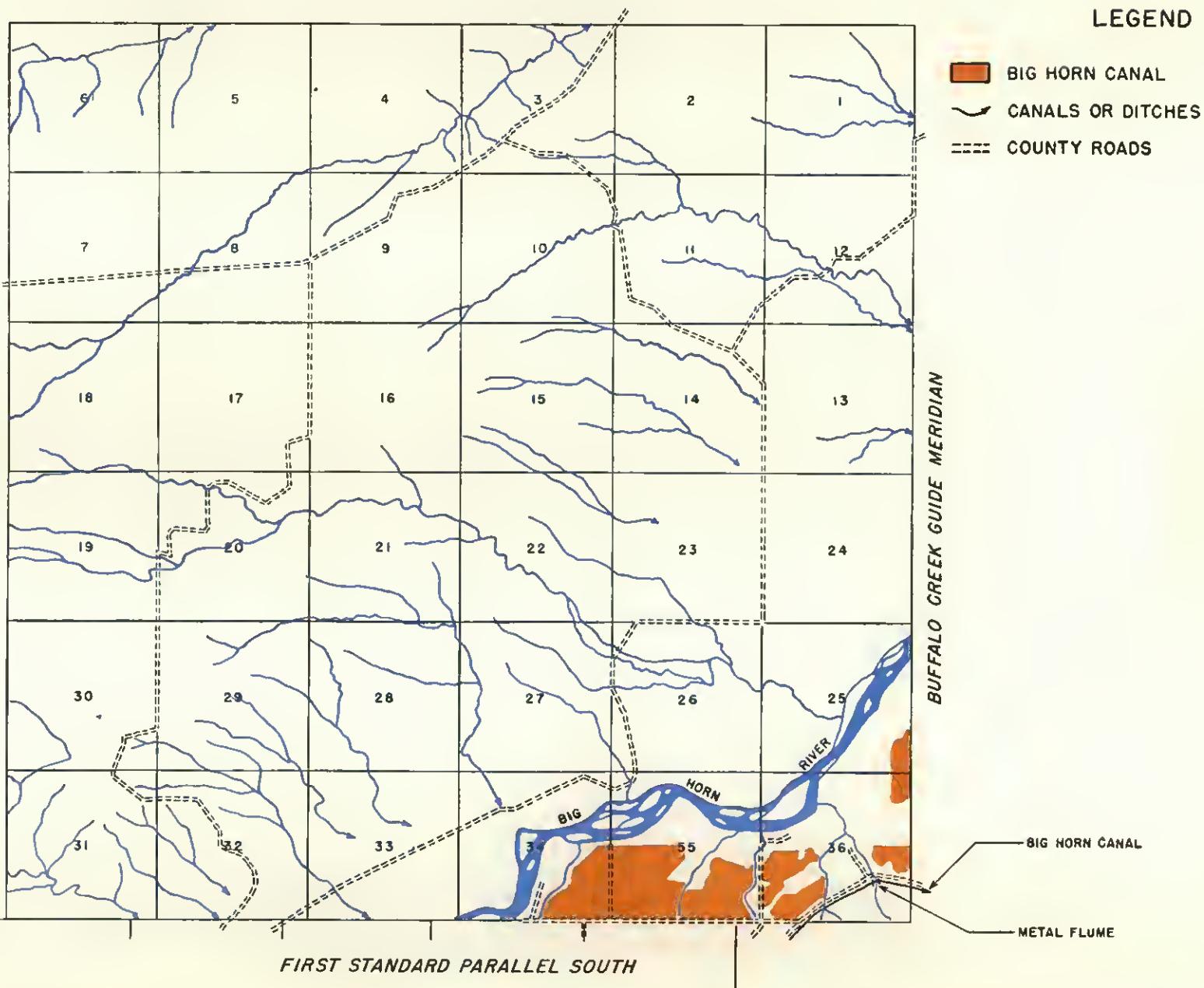
Township No. 5 SOUTH

Range No. 31 EAST

County BIG HORN

T. 5 SOUTH

R. 31 EAST



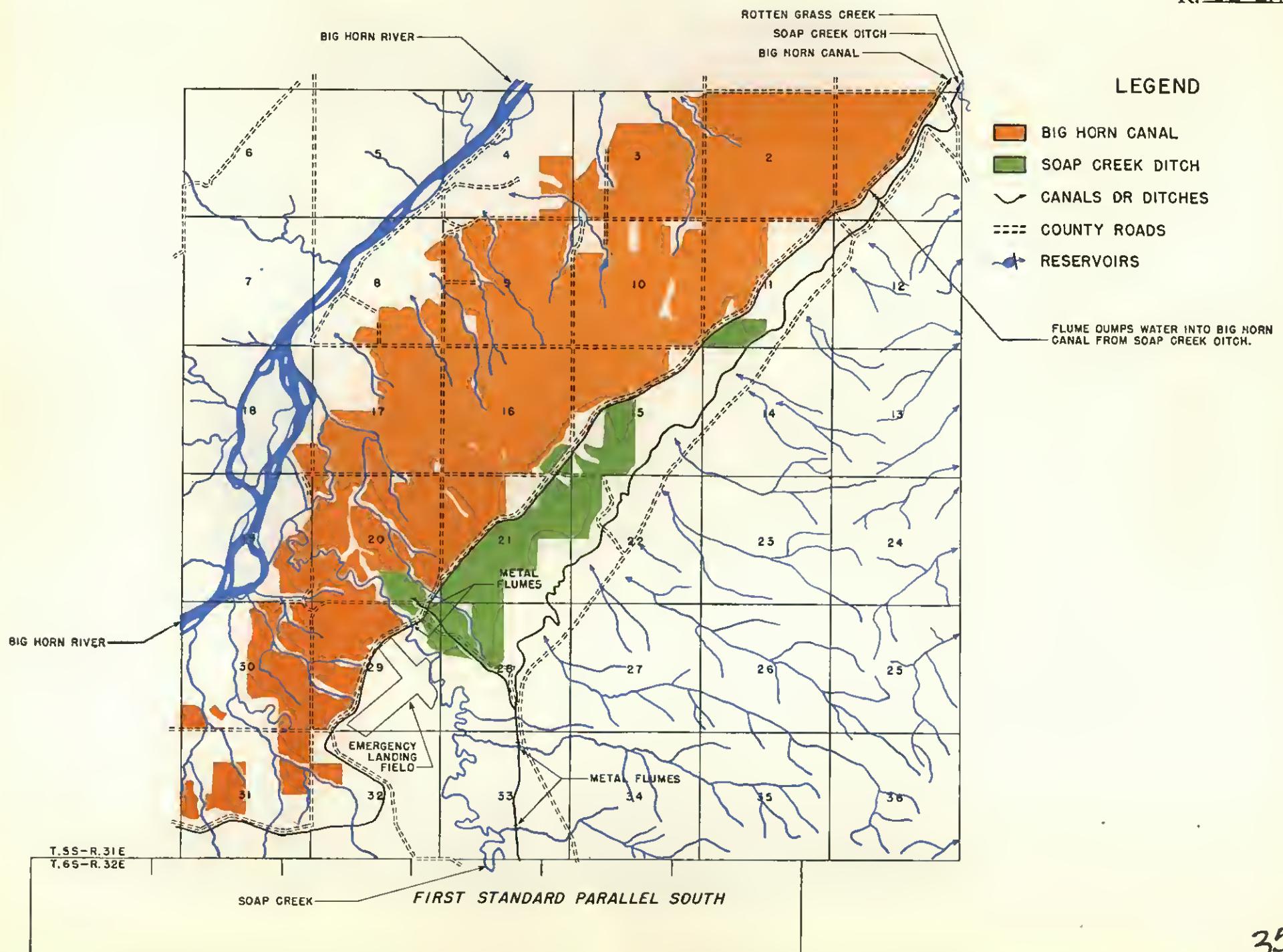
Township No. 5 SOUTH

Range No. 32 EAST

County BIG HORN

T. 5 SOUTH

R. 32 EAST



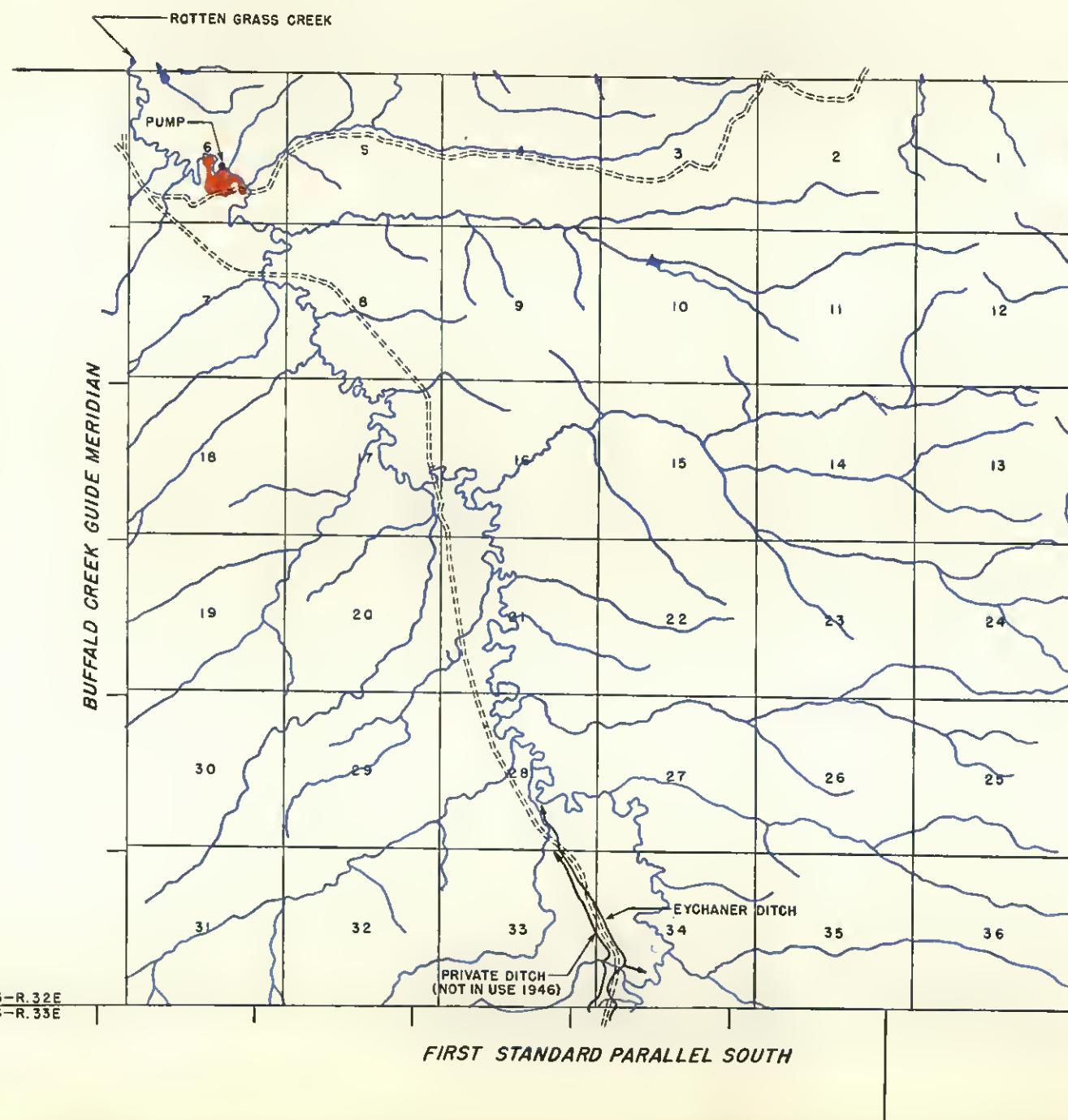
Township No. 5 SOUTH

Range No. 33 EAST

County BIG HORN

T. 5 SOUTH

R. 33 EAST



LEGEND

- PRIVATE DITCHES
- ~ CANALS OR DITCHES
- ===== COUNTY ROADS
- RESERVOIRS

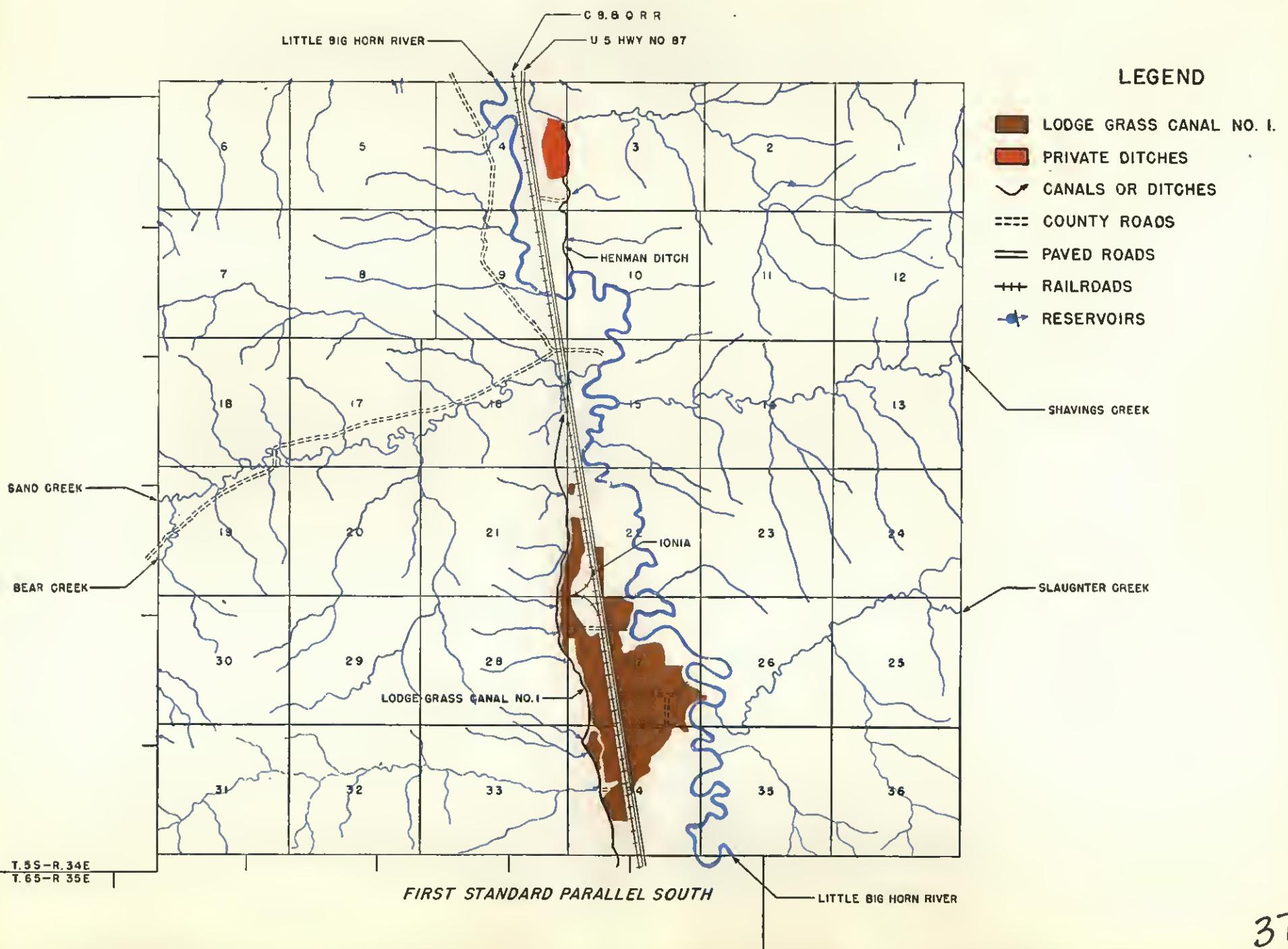
Township No. 5 SOUTH

Range No. 35 EAST

County BIG HORN

T. 5 SOUTH

R. 35 EAST



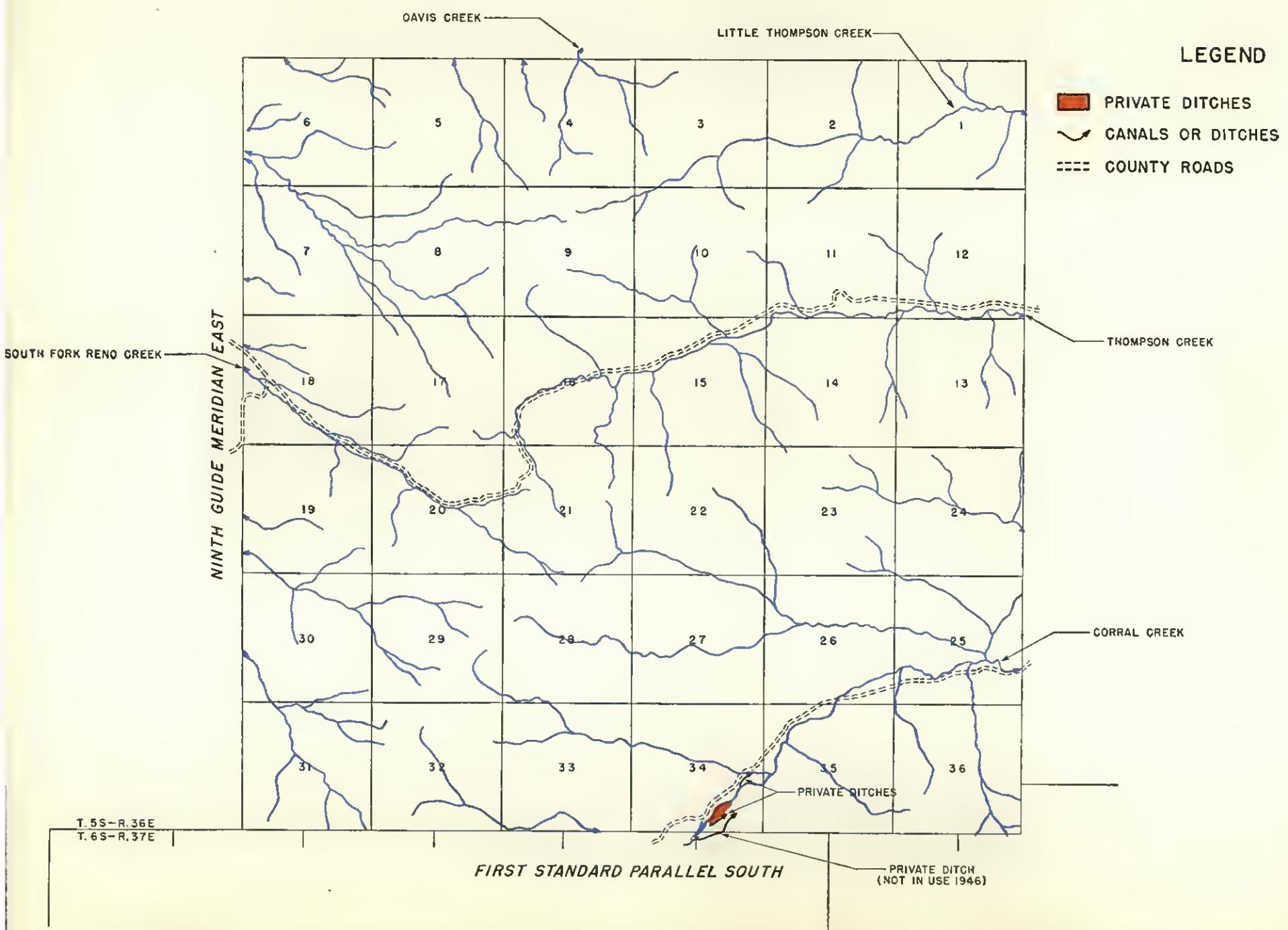
Township No. 5 SOUTH

Range No. 37 EAST

County BIG HORN

T. 5 SOUTH

R. 37 EAST



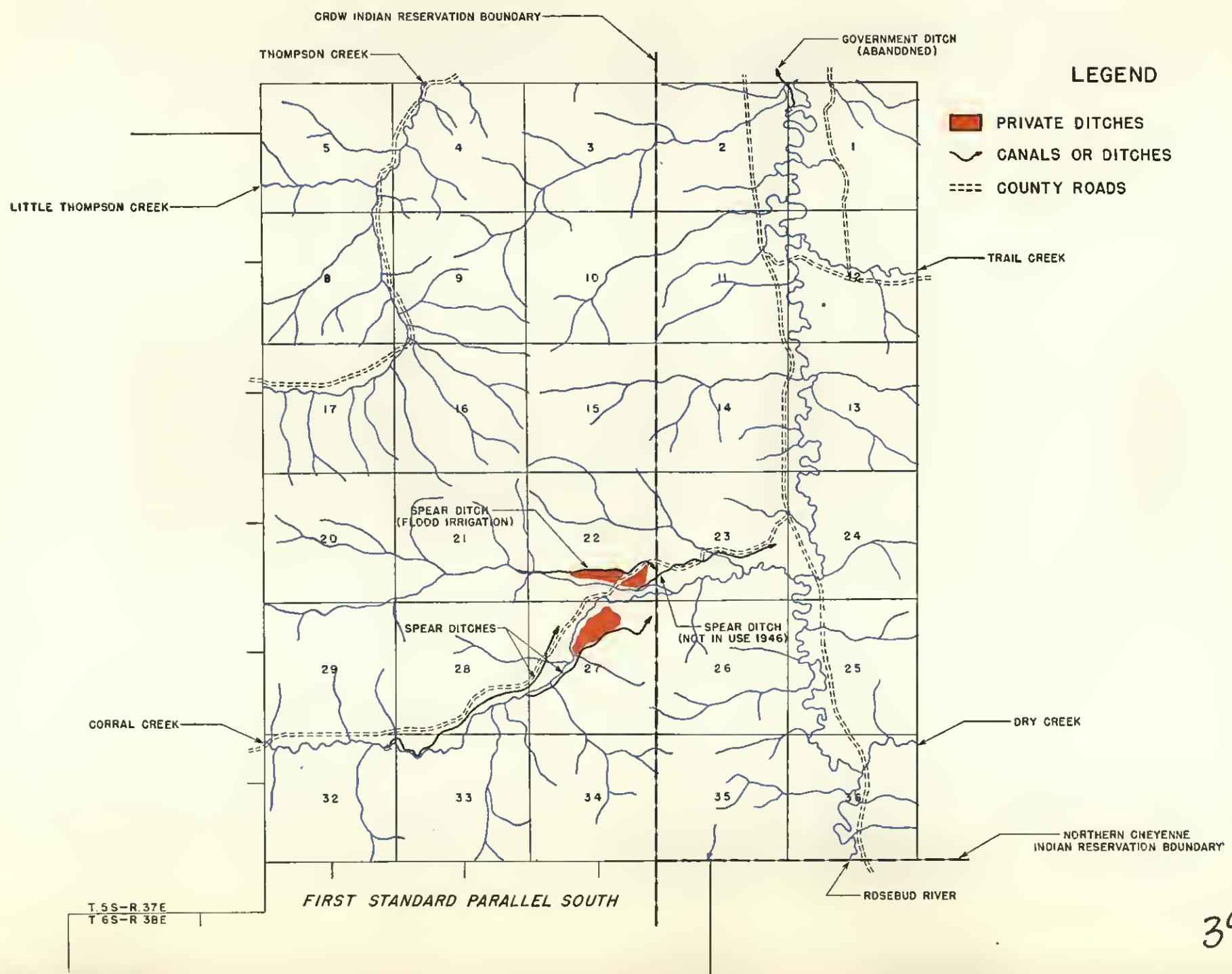
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Range No. 38 EAST

County BIG HORN

T. 5 SOUTH

R. 38 EAST



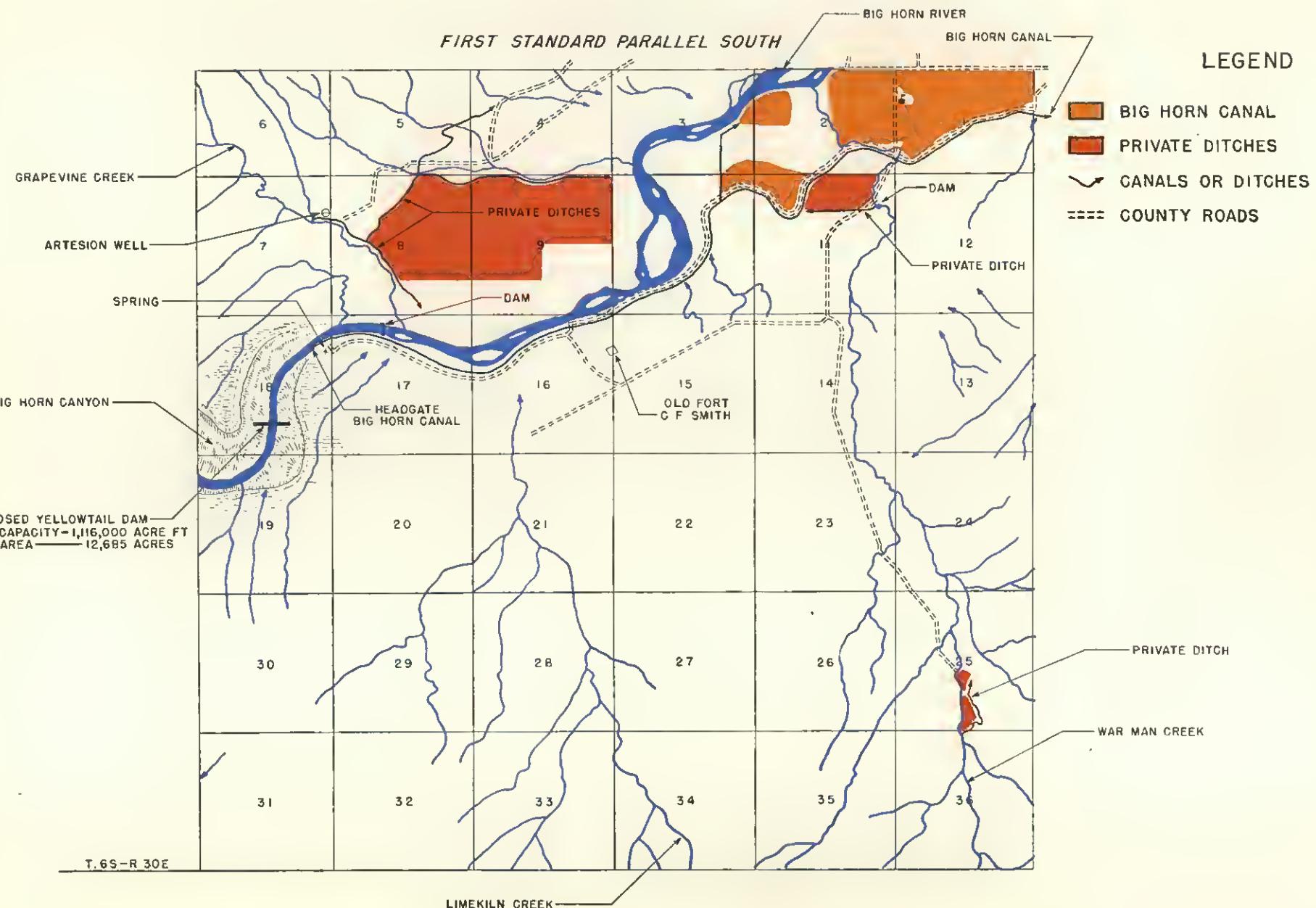
Township No. 6 SOUTH

Range No. 31 EAST

County BIG HORN

T. 6 SOUTH

R. 31 EAST



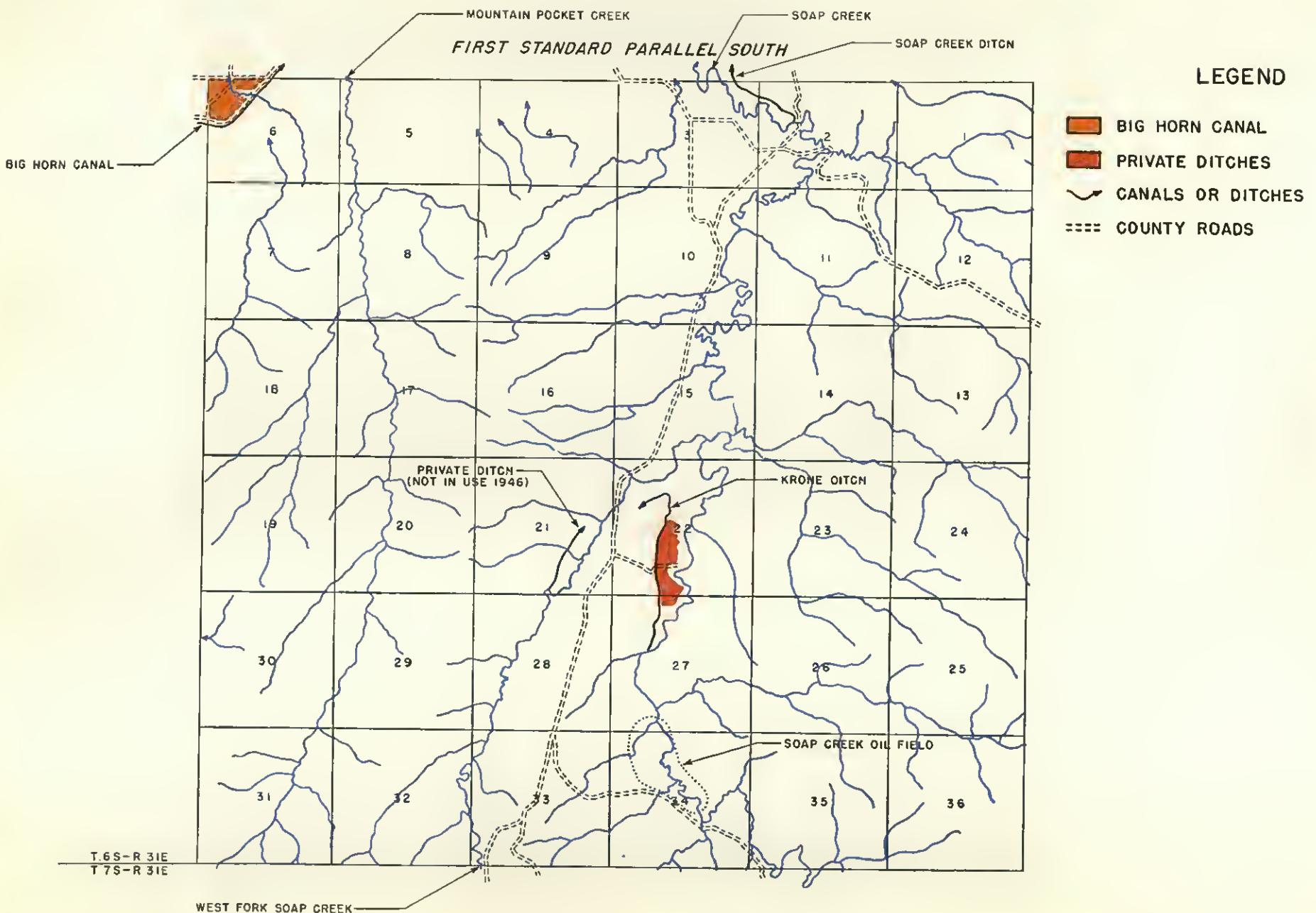
Township No. 6 SOUTH

Range No. 32 EAST

County BIG HORN

T. 6 SOUTH

R. 32 EAST



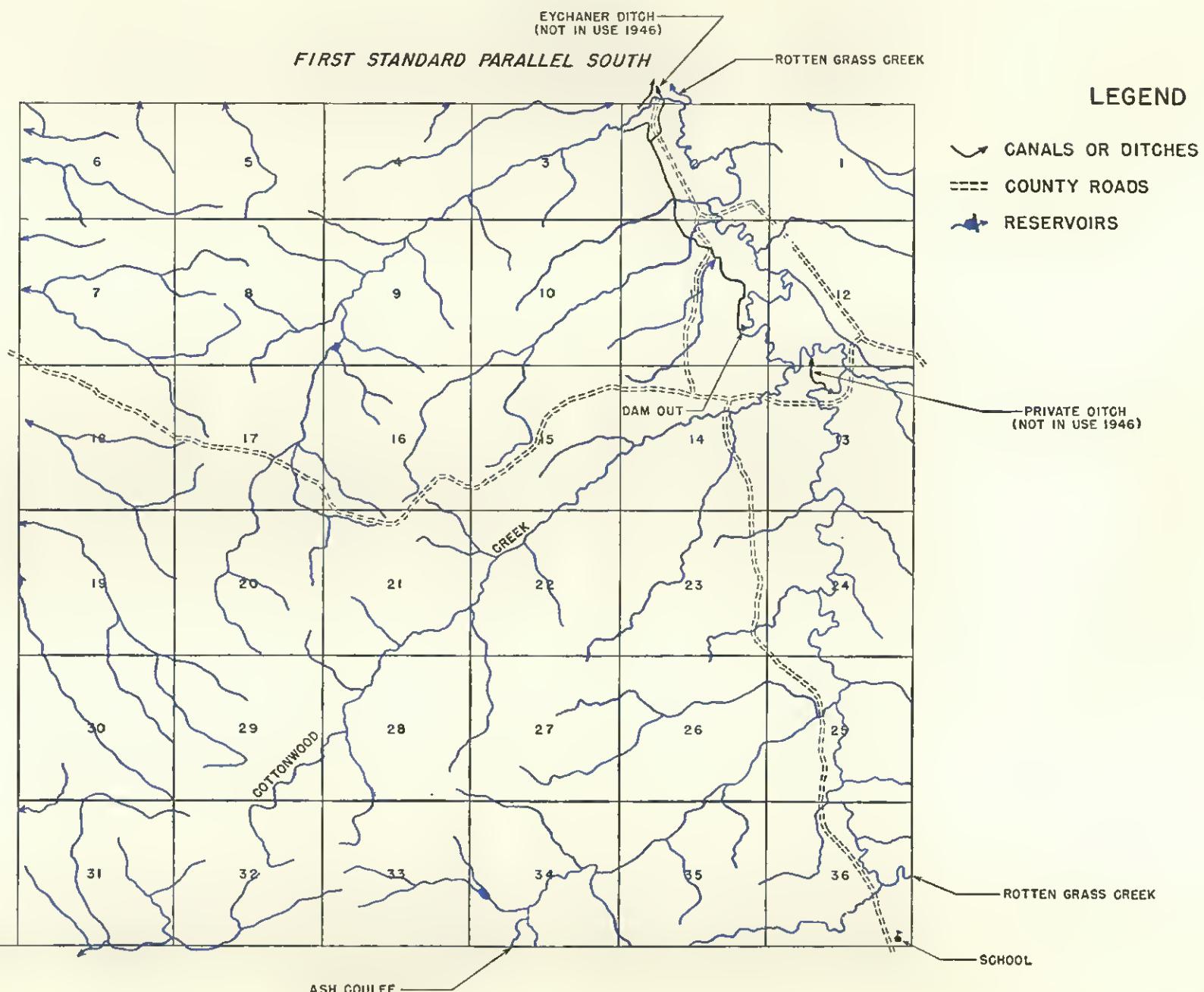
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Range No. 33 EAST

County BIG HORN

T. 6 SOUTH

R. 33 EAST



Township No. 6 SOUTH

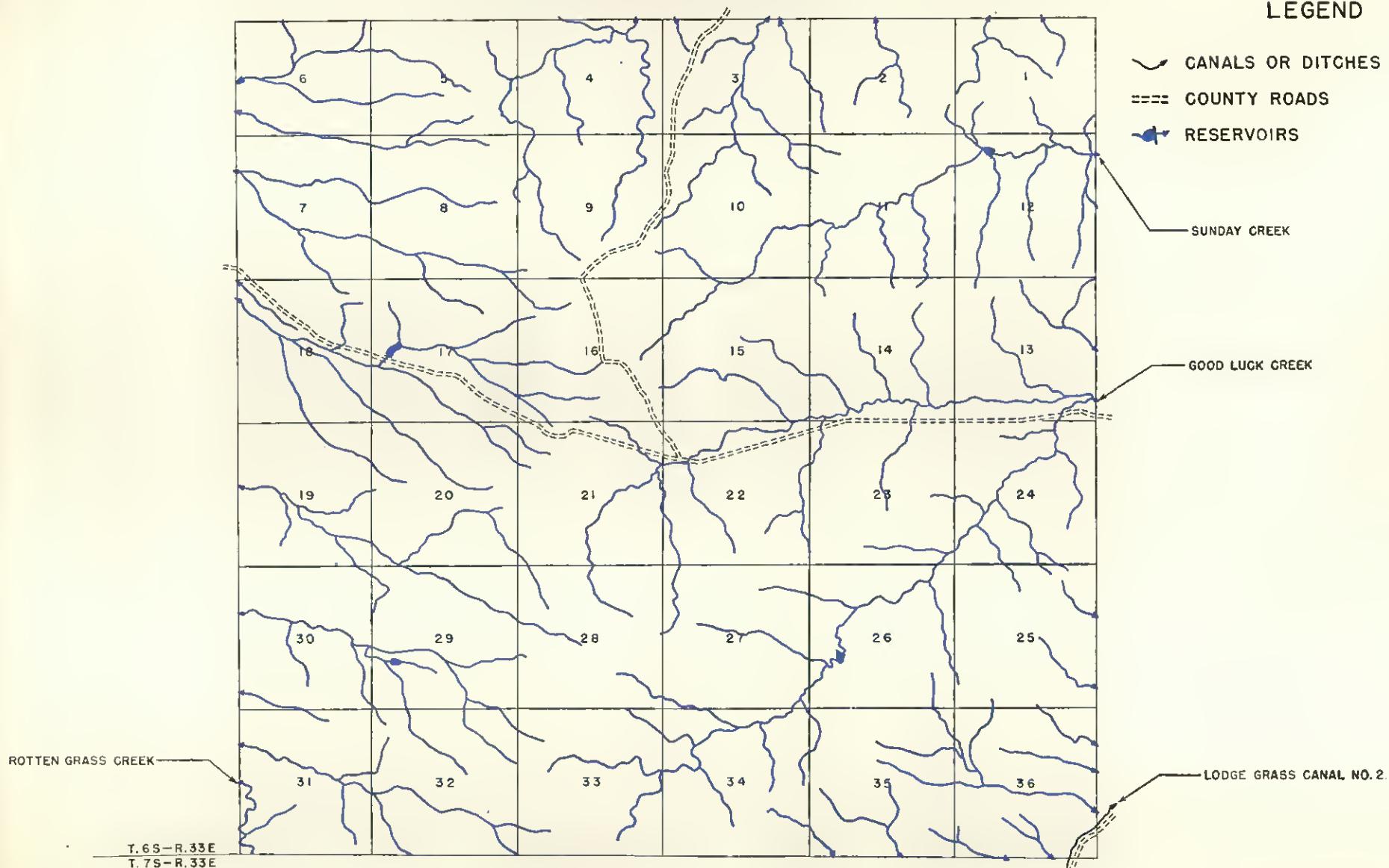
Range No. 34 EAST

County BIG HORN

T. 6 SOUTH

R. 34 EAST

FIRST STANDARD PARALLEL SOUTH



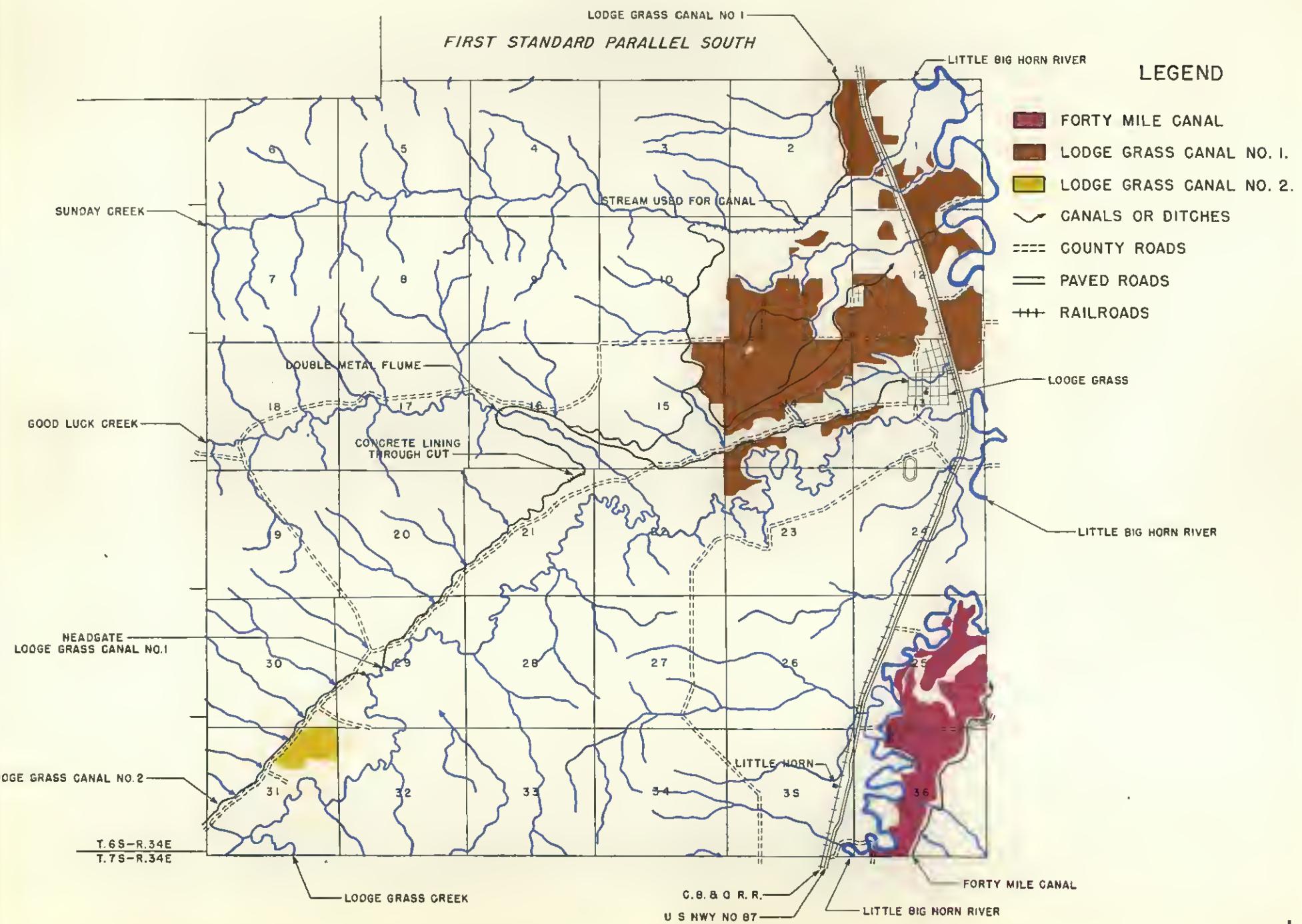
Township No. 6 SOUTH

Range No. 35 EAST

County BIG HORN

T. 6 SOUTH

R. 35 EAST



Township No. 6 SOUTH

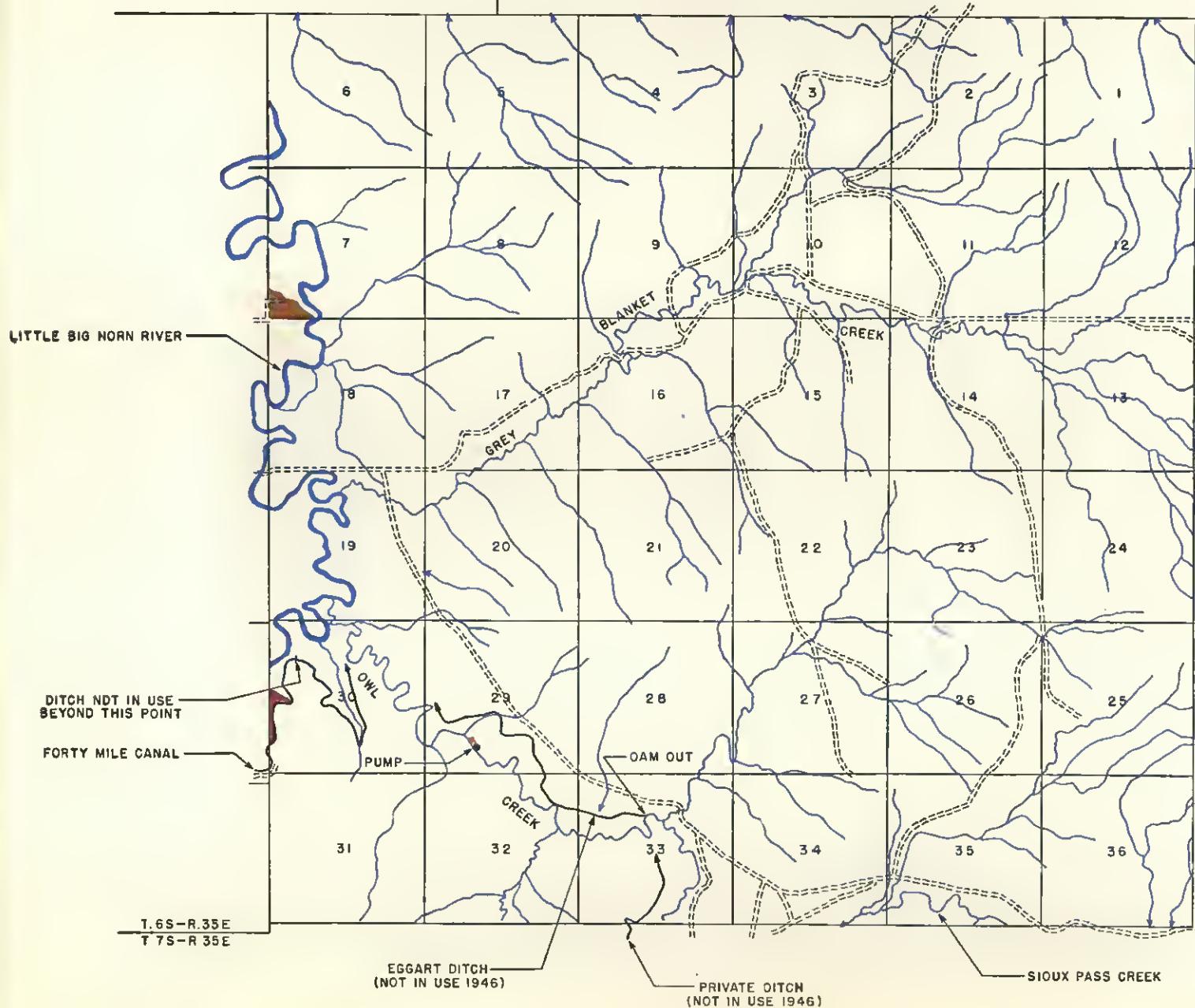
Range No. 36 EAST

County BIG HORN

T. 6 SOUTH

R. 36 EAST

FIRST STANDARD PARALLEL SOUTH



LEGEND

- FORTY MILE CANAL
- LODGE GRASS CANAL NO. I.
- PRIVATE DITCHES
- ~ CANALS OR DITCHES
- ===== COUNTY ROADS

Township No. 6 SOUTH

Range No. 38 & 39 EAST

County BIG HORN

T. 6 SOUTH

R. 38 & 39 E

CROW INDIAN RESERVATION BOUNDARY

FIRST STANDARD PARALLEL SOUTH

LEGEND

- PRIVATE DITCHES
- 曲线 CANALS OR DITCHES
- ===== COUNTY ROADS
- 湖 RESERVOIRS

CACHE CREEK

NINETH GUIDE MERIDIAN EAST

SPRING CREEK

5

4

3

2

1

8

10

12

16

15

14

20

21

22

28

27

26

29

31

32

33

34

35

INDIAN CREEK

SHIELDS RESERVOIR

ROSEBUD RIVER

PRIVATE DITCHES

PRIVATE DITCH  
(FLOOD IRRIGATION)

PRIVATE DITCH - FLOOD IRRIGATION  
(NOT IN USE 1946)

OALE CREEK

COAL BANK CREEK

ELK CREEK

PRIVATE DITCH  
(NOT IN USE 1946)

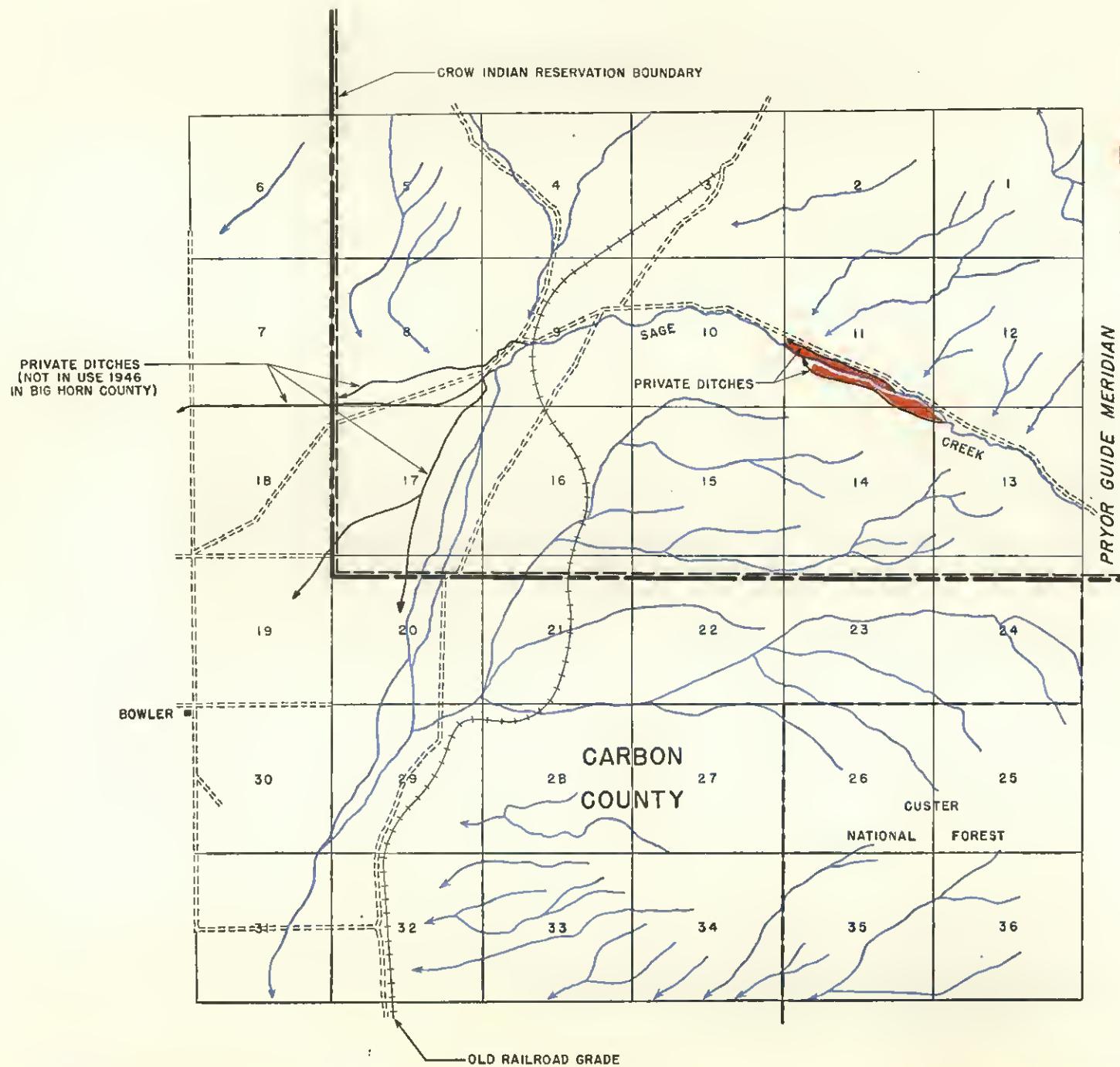
Township No. 7 SOUTH

Range No. 25 EAST

County BIG HORN

T. 7 SOUTH

R. 25 EAST



LEGEND

- PRIVATE DITCHES
- ~ CANALS OR DITCHES
- COUNTY ROADS
- +++ RAILROADS

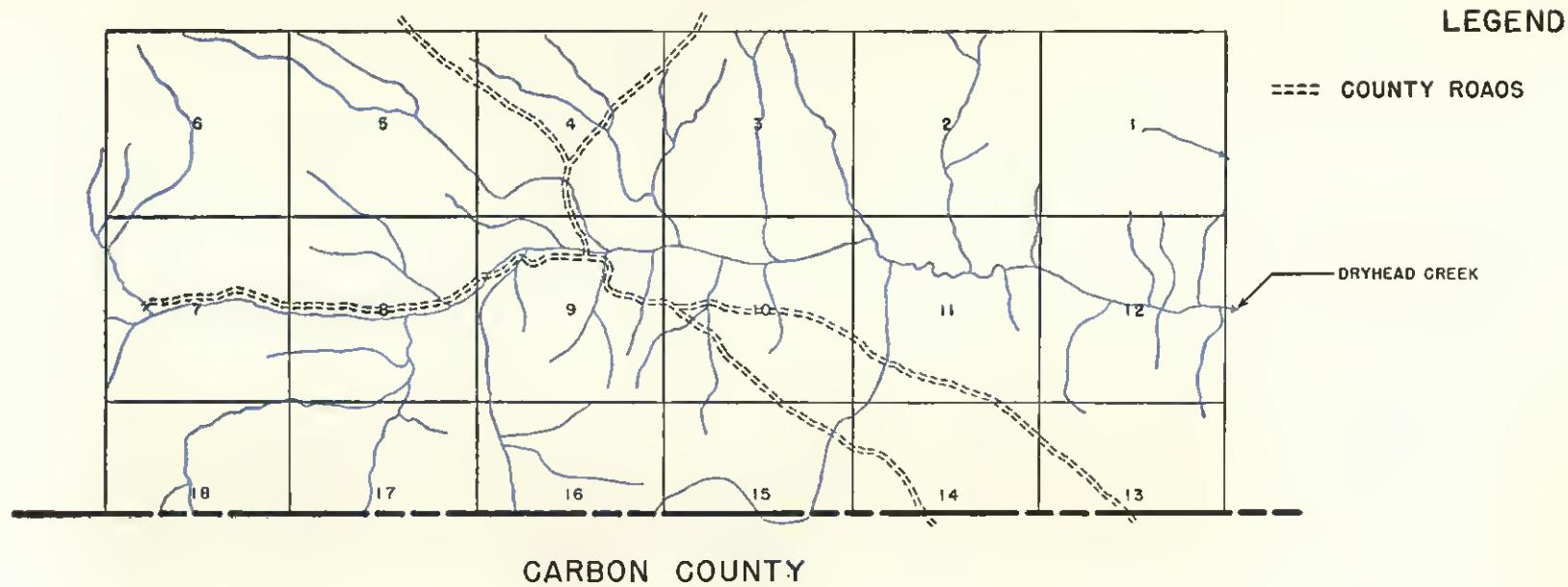
Township No. 7 SOUTH

Range No. 28 EAST

County BIG HORN

T. 7 SOUTH

R. 28 EAST



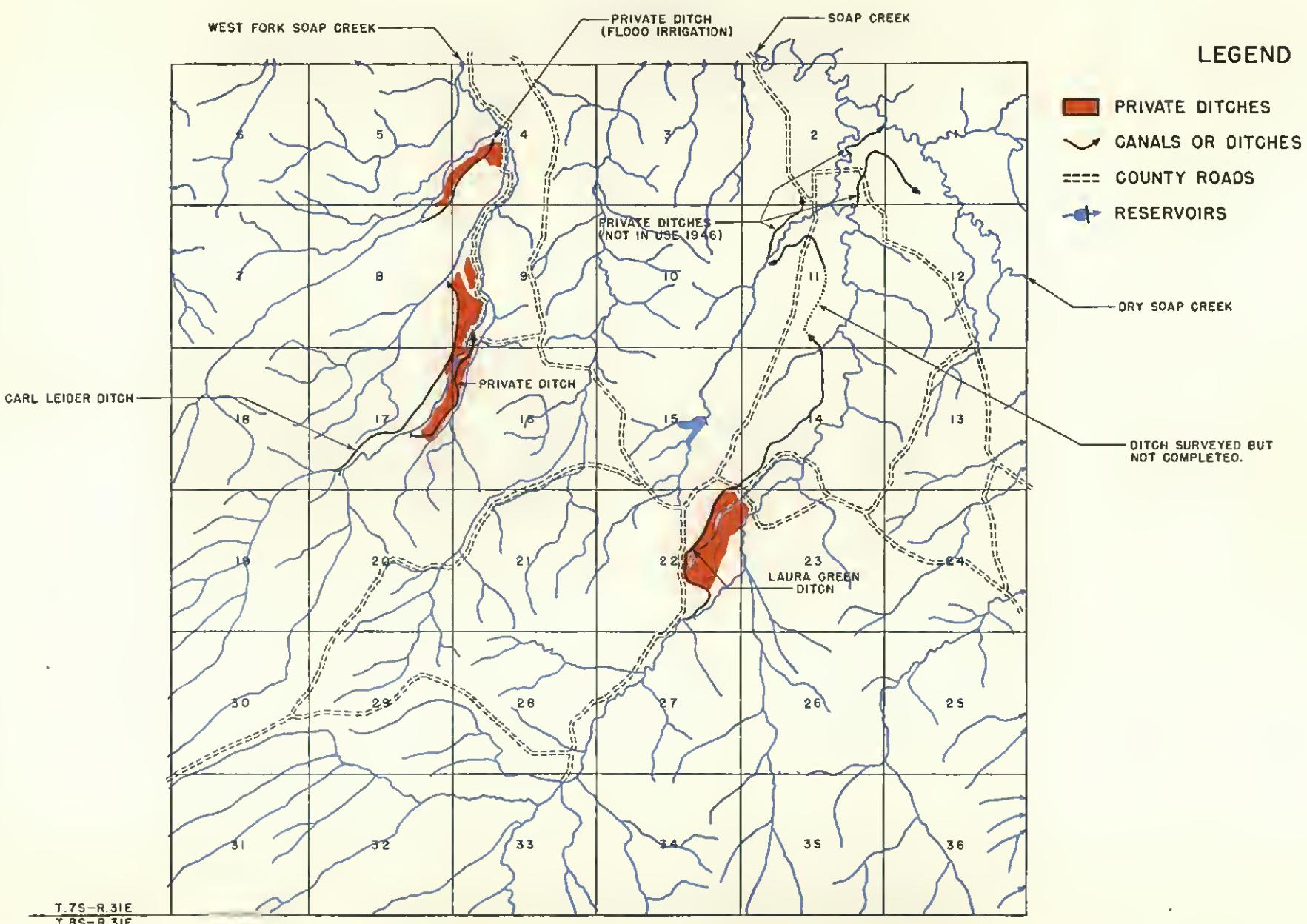
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Range No. 32 EAST

County BIG HORN

T. 7 SOUTH

R. 32 EAST



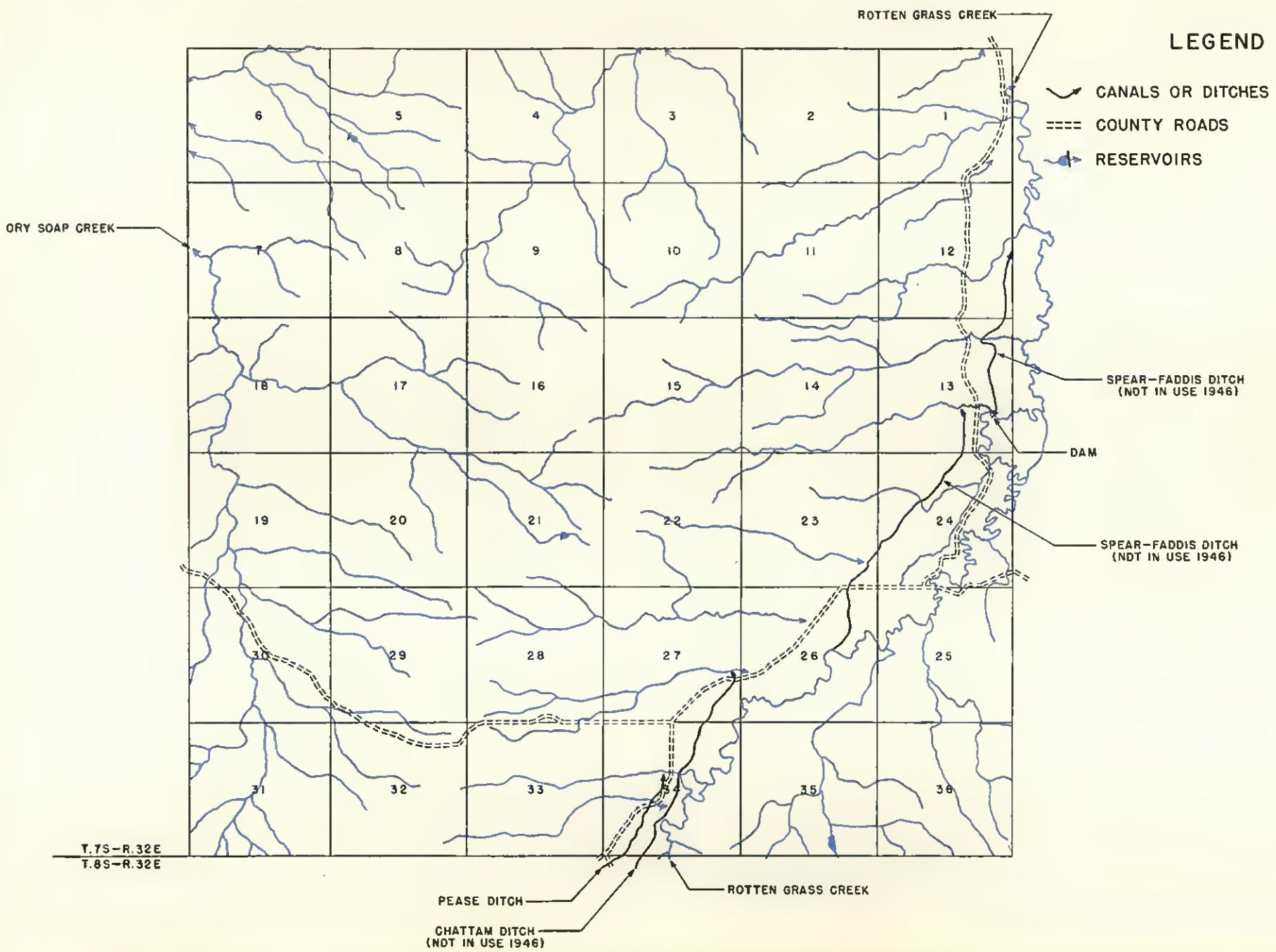
Township No. 7 SOUTH

Range No. 33 EAST

County BIG HORN

T. 7 SOUTH

R. 33 EAST



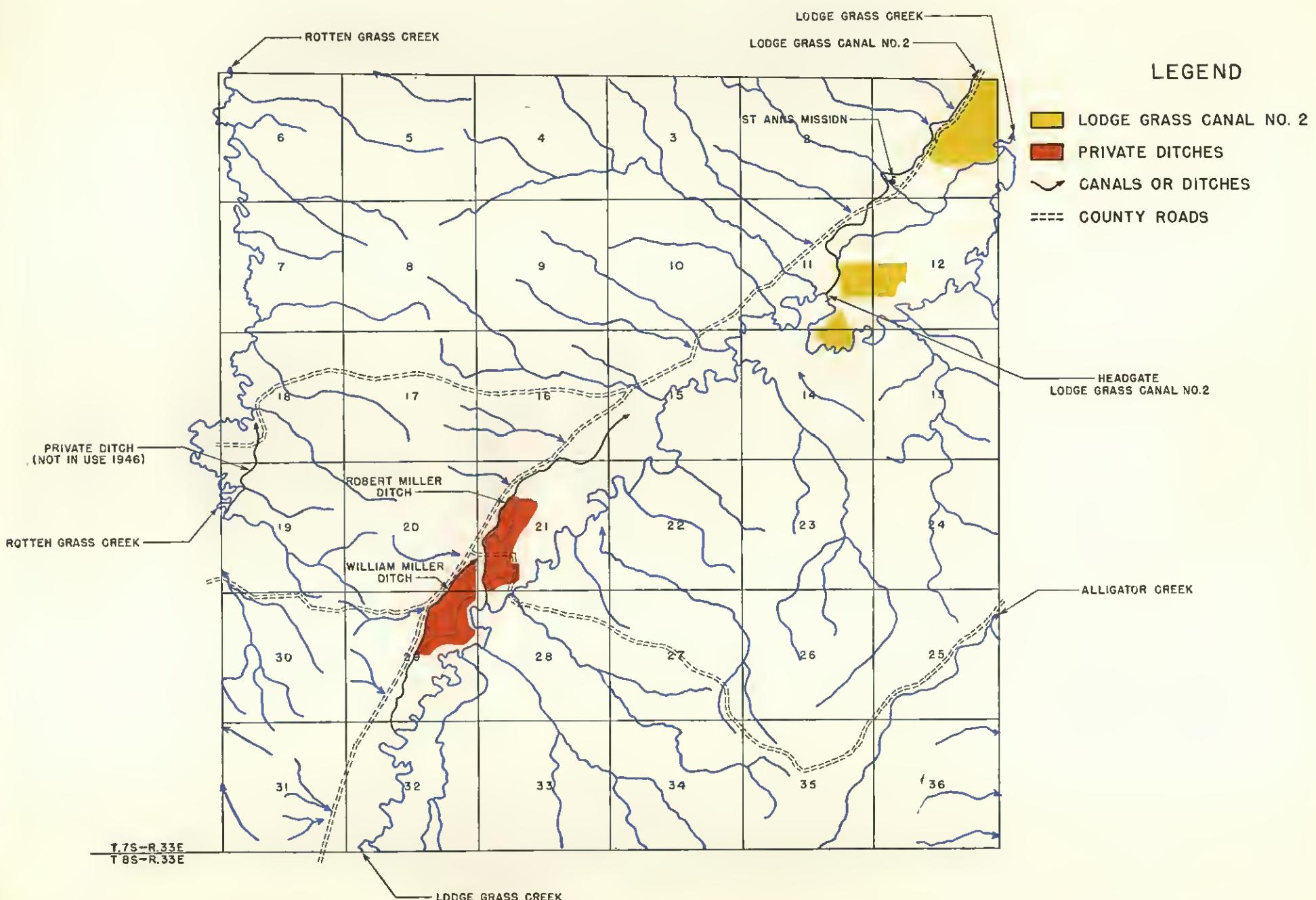
Township No. 7 SOUTH

Range No. 34 EAST

County BIG HORN

T. 7 SOUTH

R. 34 EAST



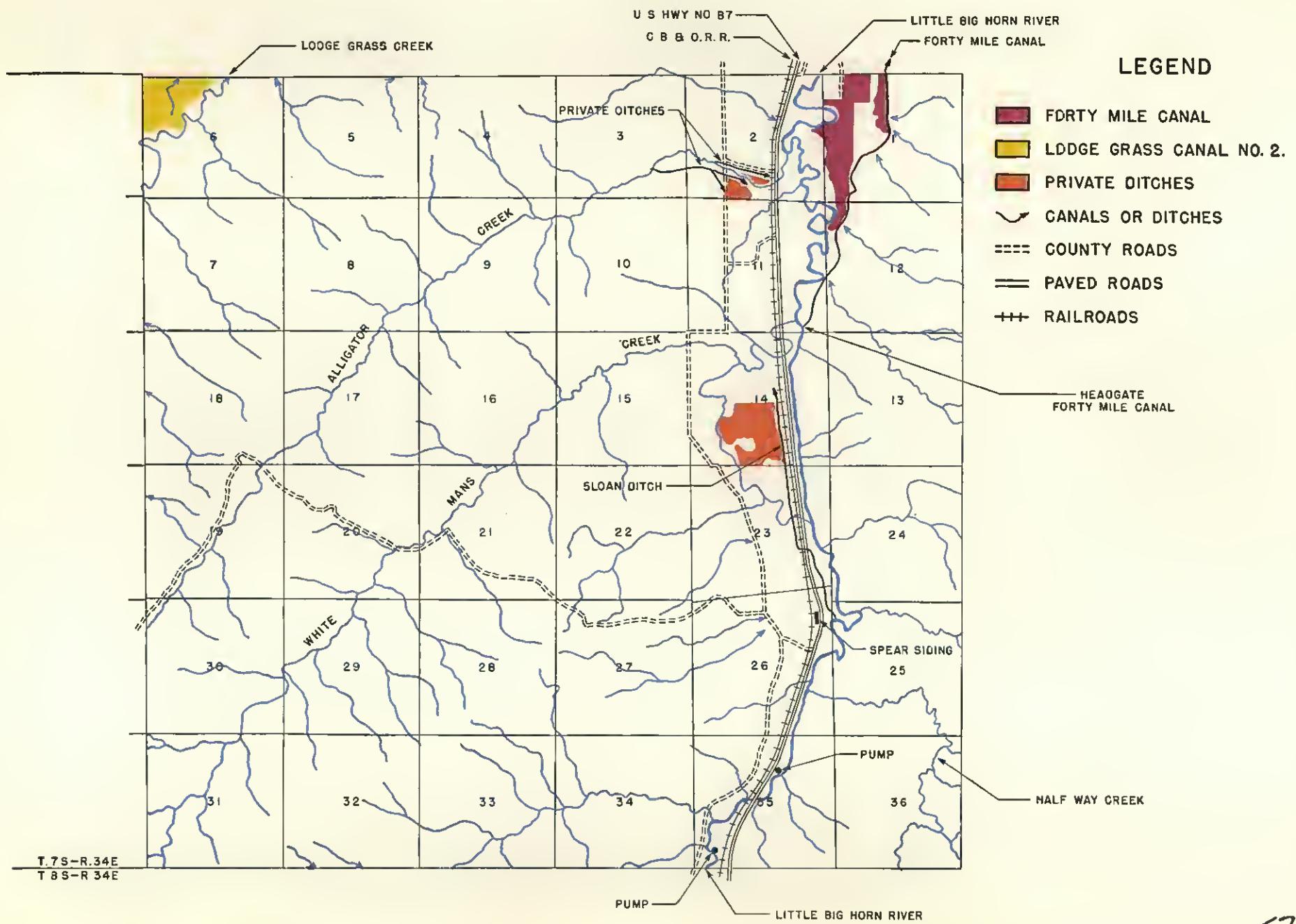
Township No. 7 SOUTH

Range No. 35 EAST

County BIG HORN

T. 7 SOUTH

R. 35 EAST



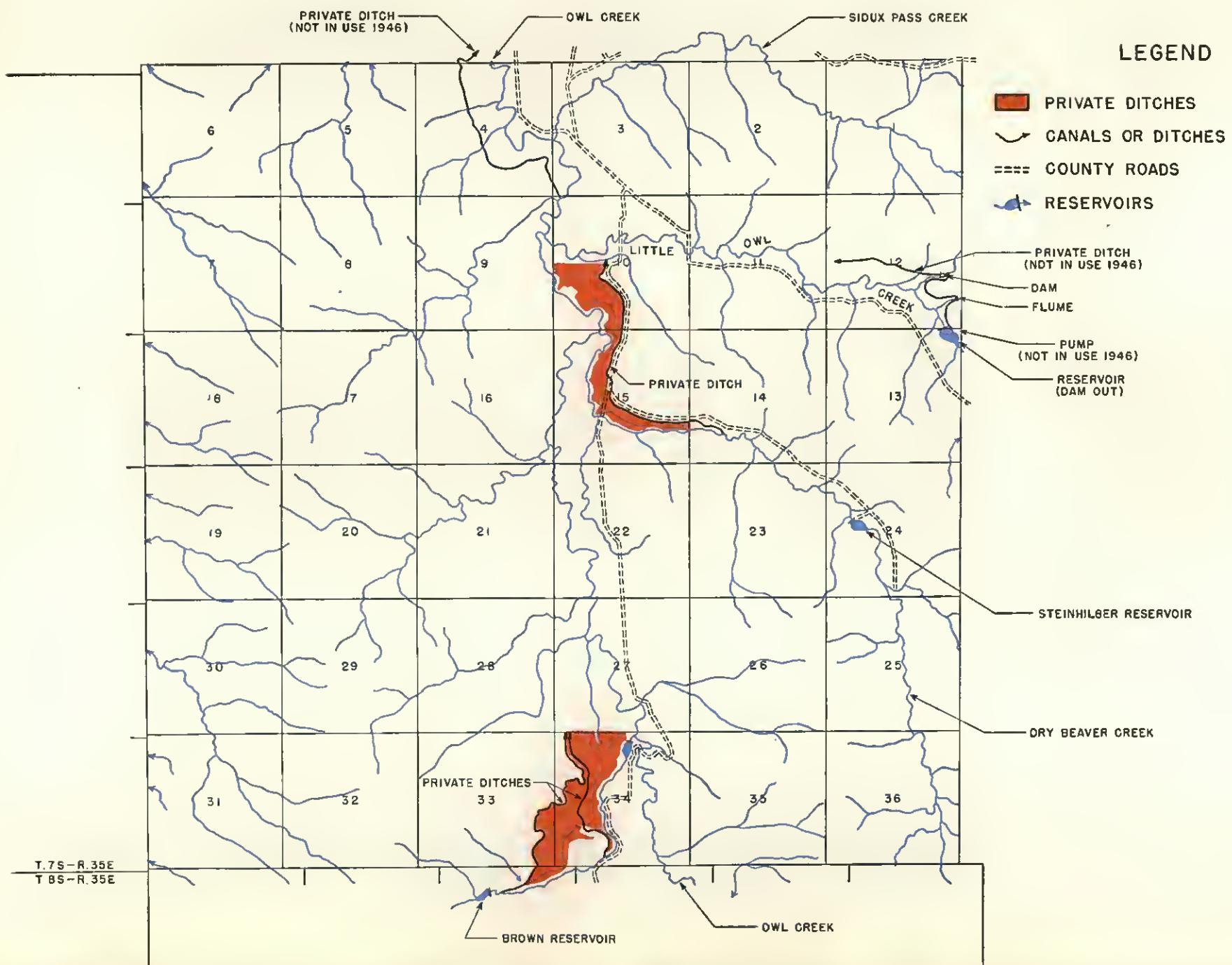
Township No. 7 SOUTH

Range No. 36 EAST

County BIG HORN

T. 7 SOUTH

R. 36 EAST



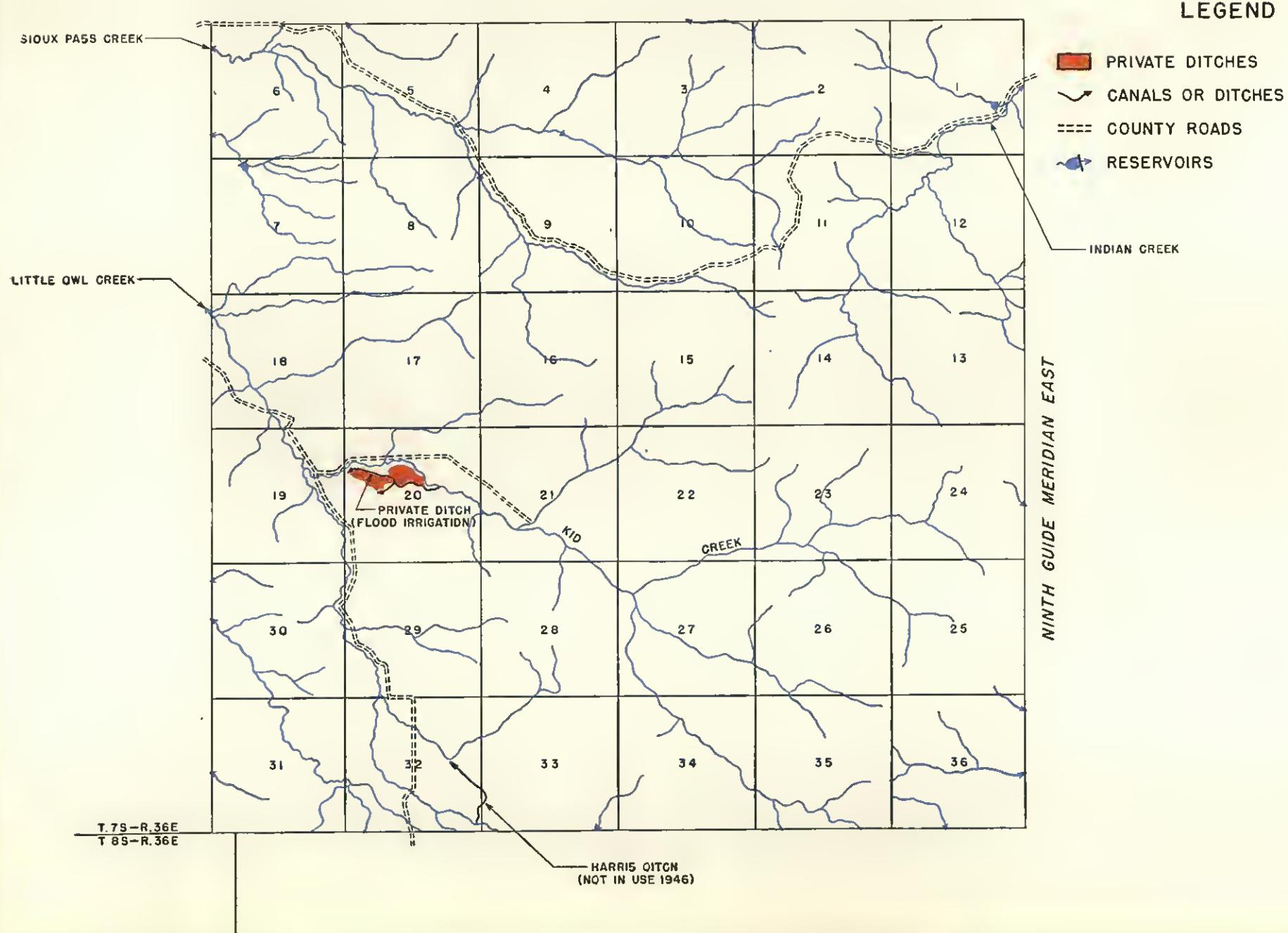
Township No. 7 SOUTH

Range No. 37 EAST

County BIG HORN

T. 7 SOUTH

R. 37 EAST



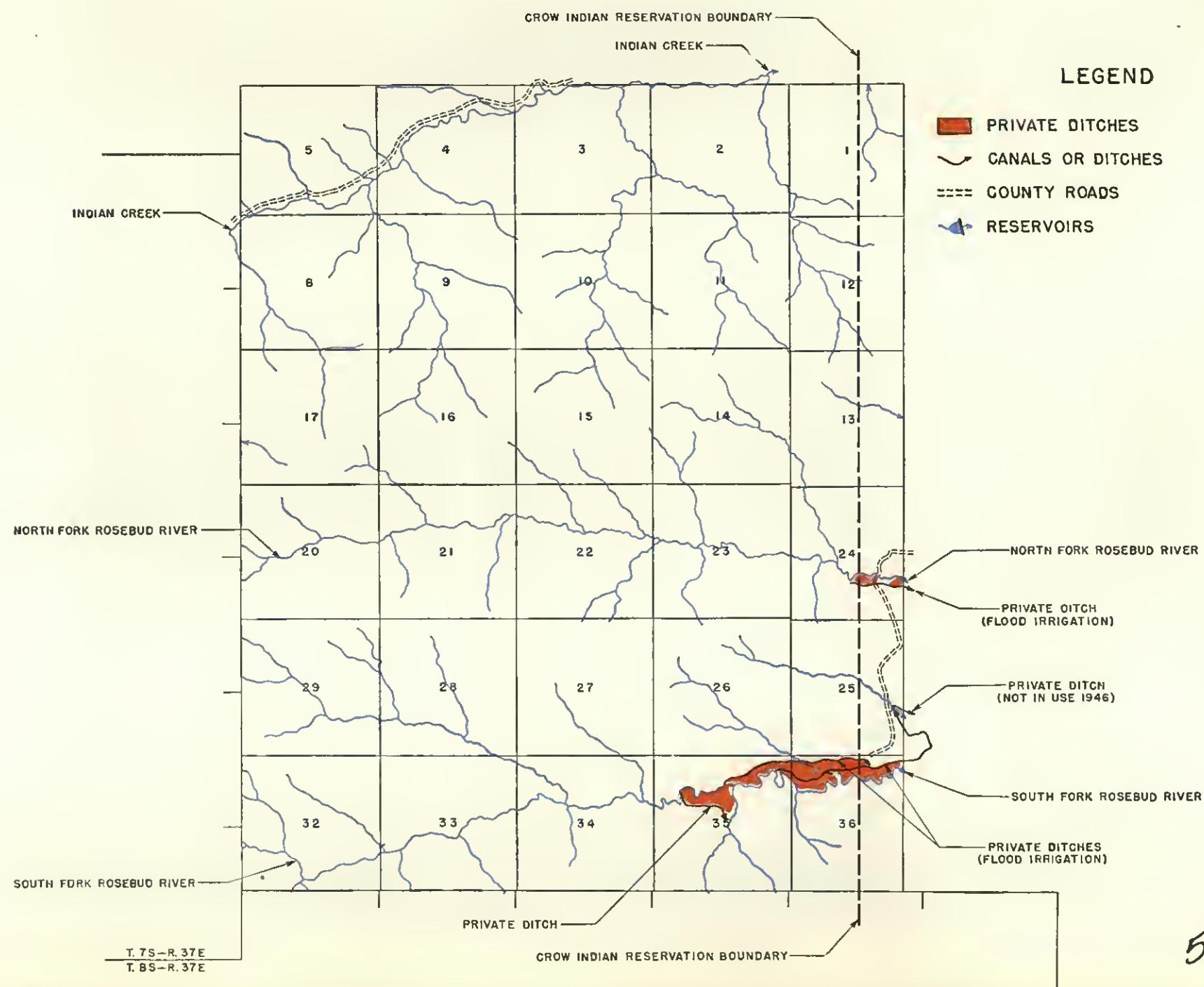
Township No. 7 SOUTH

Range No. 38 EAST

County BIG HORN

T. 7 SOUTH

R. 38 EAST



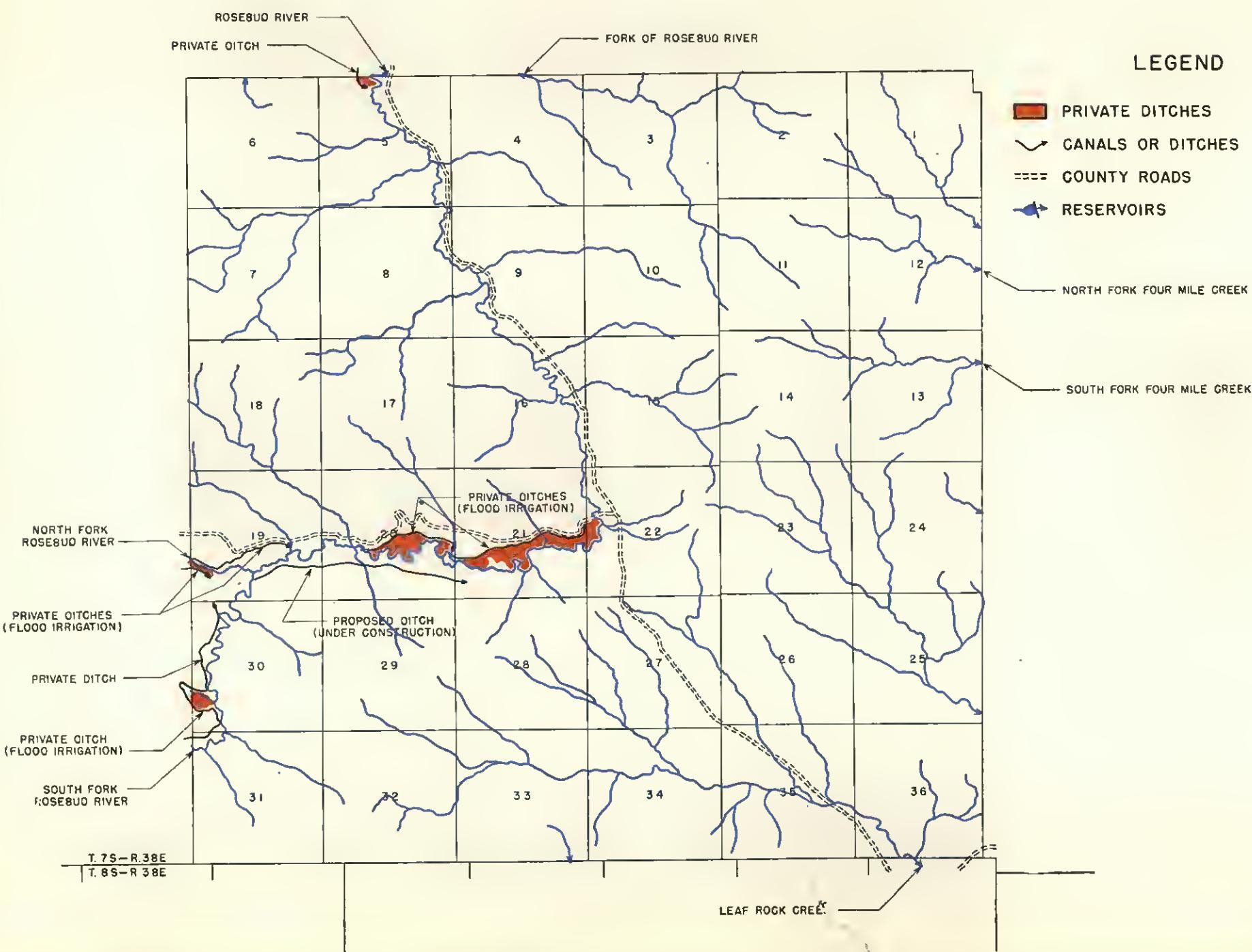
Township No. 7 SOUTH

Range No. 39 EAST

County BIG HORN

T. 7 SOUTH

R. 39 EAST



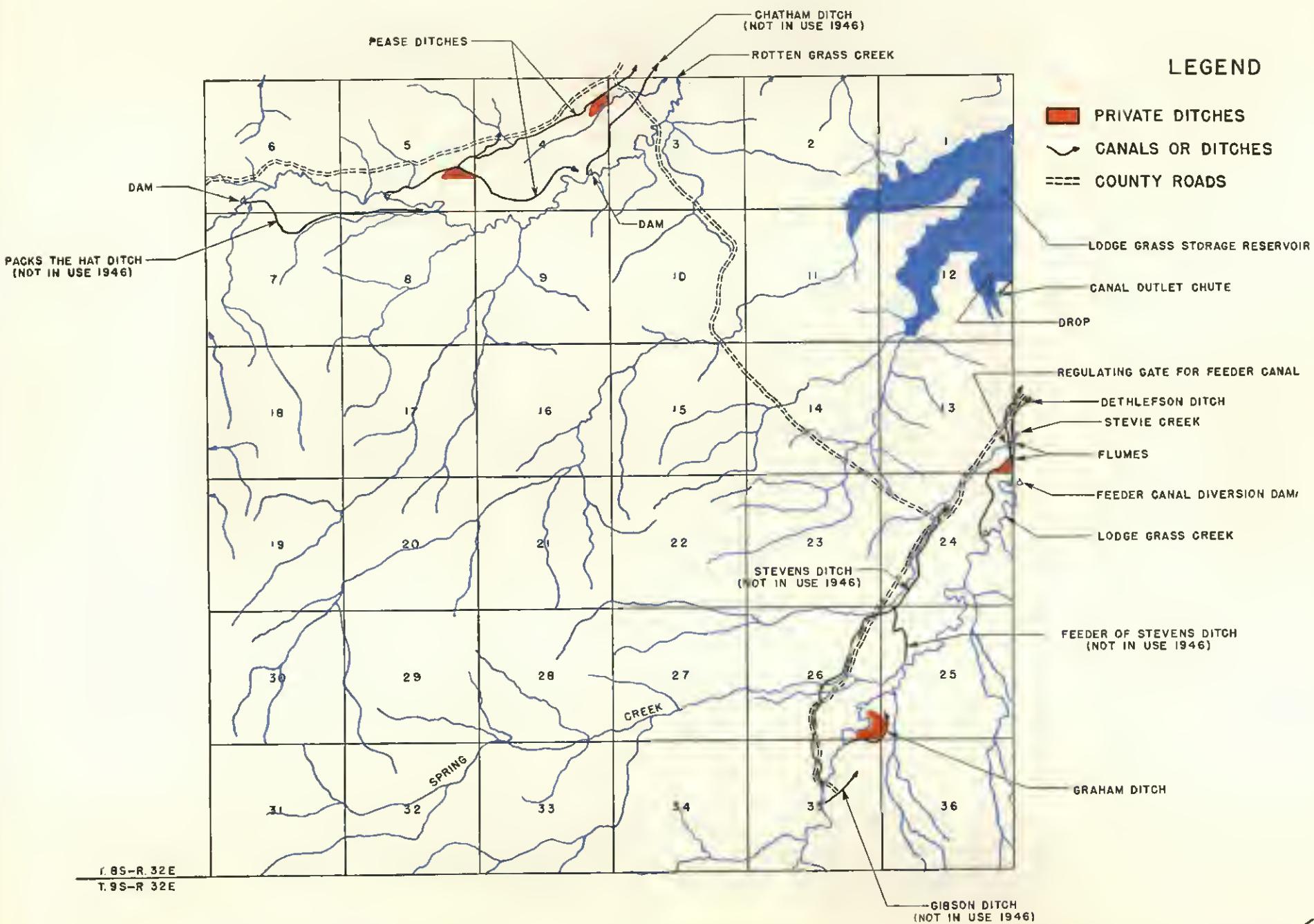
Township No. 8 SOUTH

Range No. 33 EAST

County BIG HORN

T. 8 SOUTH

R. 33 EAST



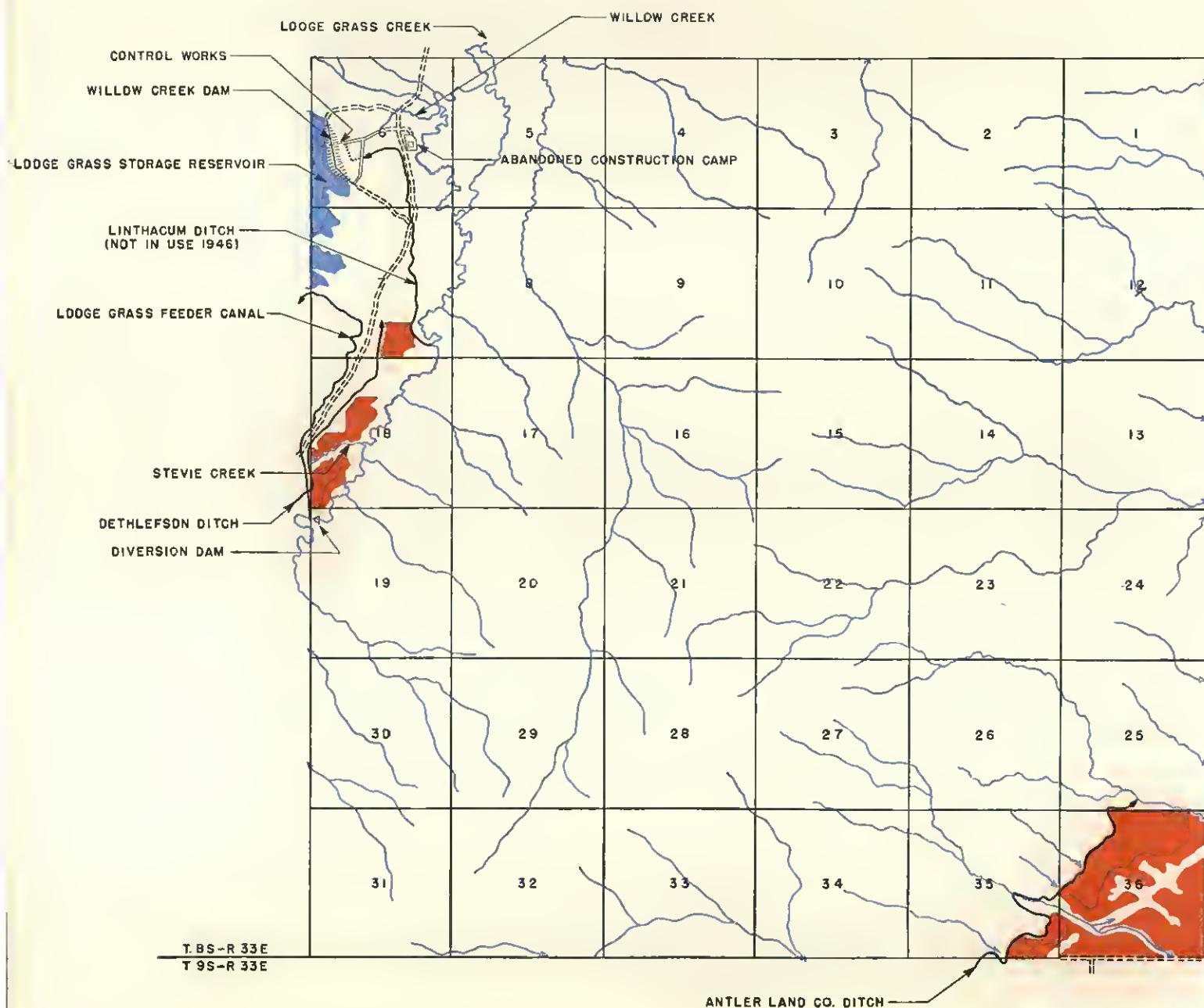
Township No. 8 SOUTH

Range No. 34 EAST

County BIG HORN

T. 8 SOUTH

R. 34 EAST



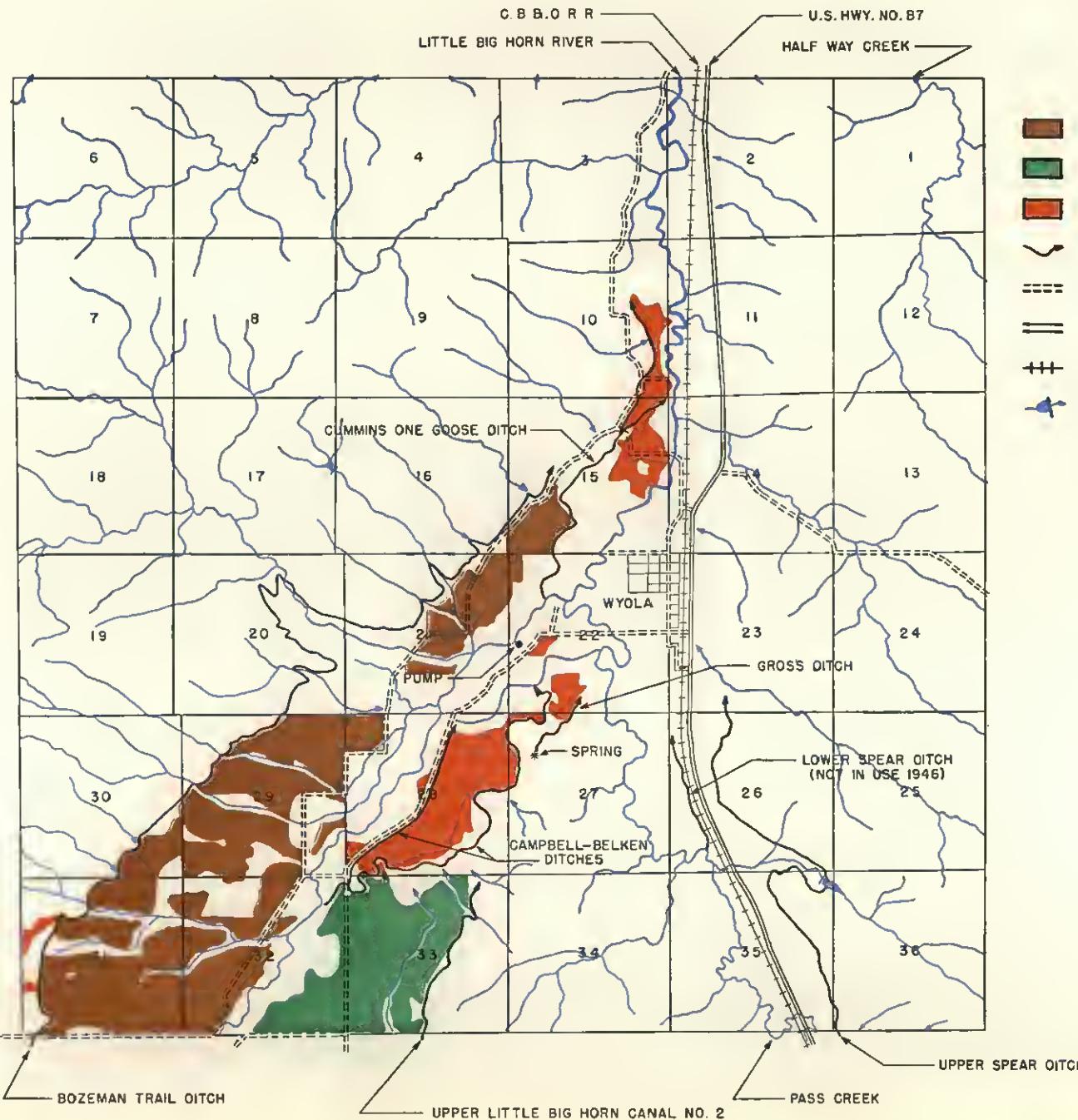
Township No. 8 SOUTH

Range No. 35 EAST

County BIG HORN

T. 8 SOUTH

R. 35 EAST



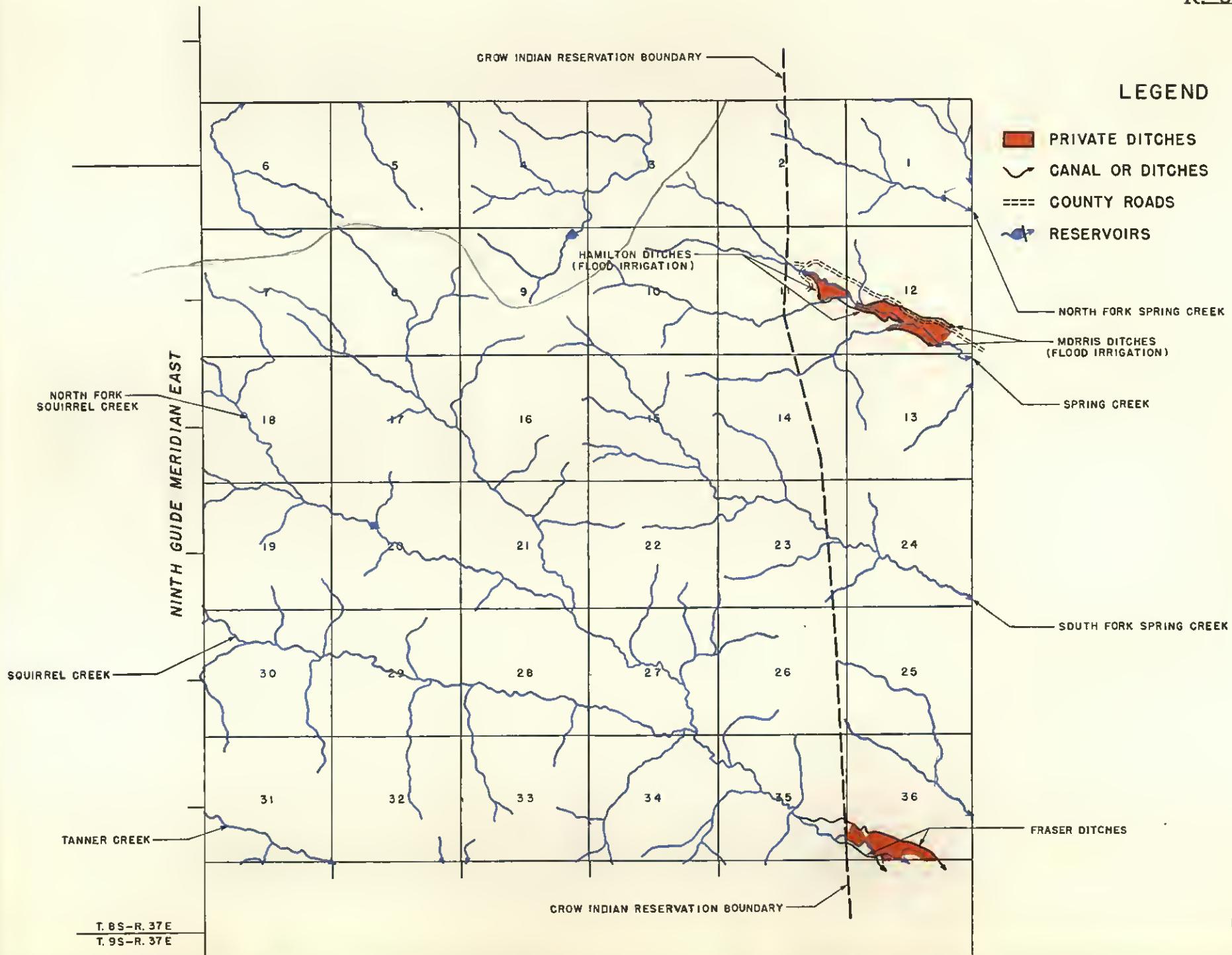
Township No. 8 SOUTH

Range No. 38 EAST

County BIG HORN

T. 8 SOUTH

R. 38 EAST



Township No. 8 SOUTH

Range No. 39 EAST

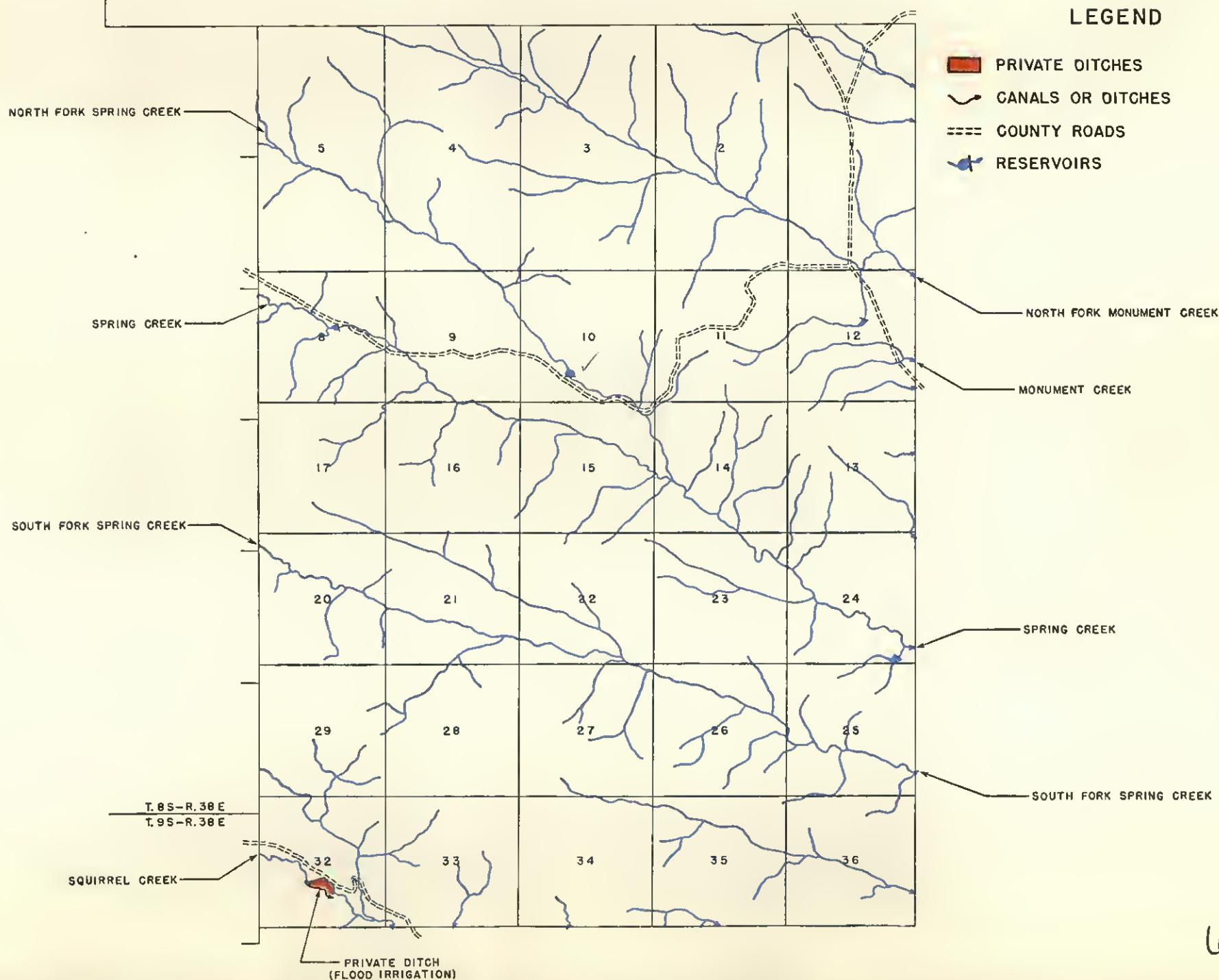
County BIG HORN

T. 8 SOUTH

R. 39 EAST

LEGEND

- PRIVATE DITCHES
- ~ CANALS OR DITCHES
- ==== COUNTY ROADS
- ▲ RESERVOIRS



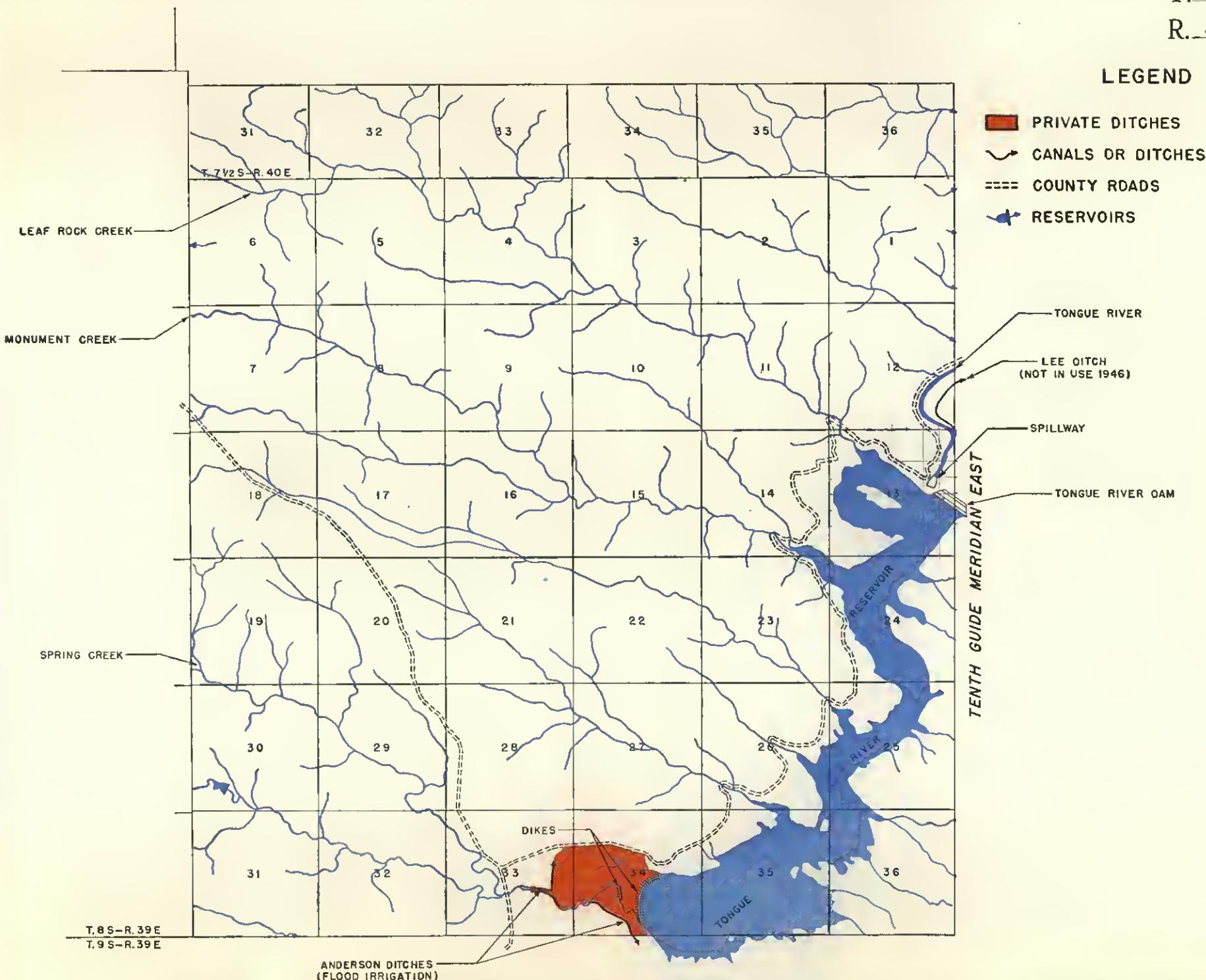
Township No. 8 SOUTH

Range No. 40 EAST

County BIG HORN

T. 8 SOUTH

R. 40 EAST



Township No. 8 SOUTH

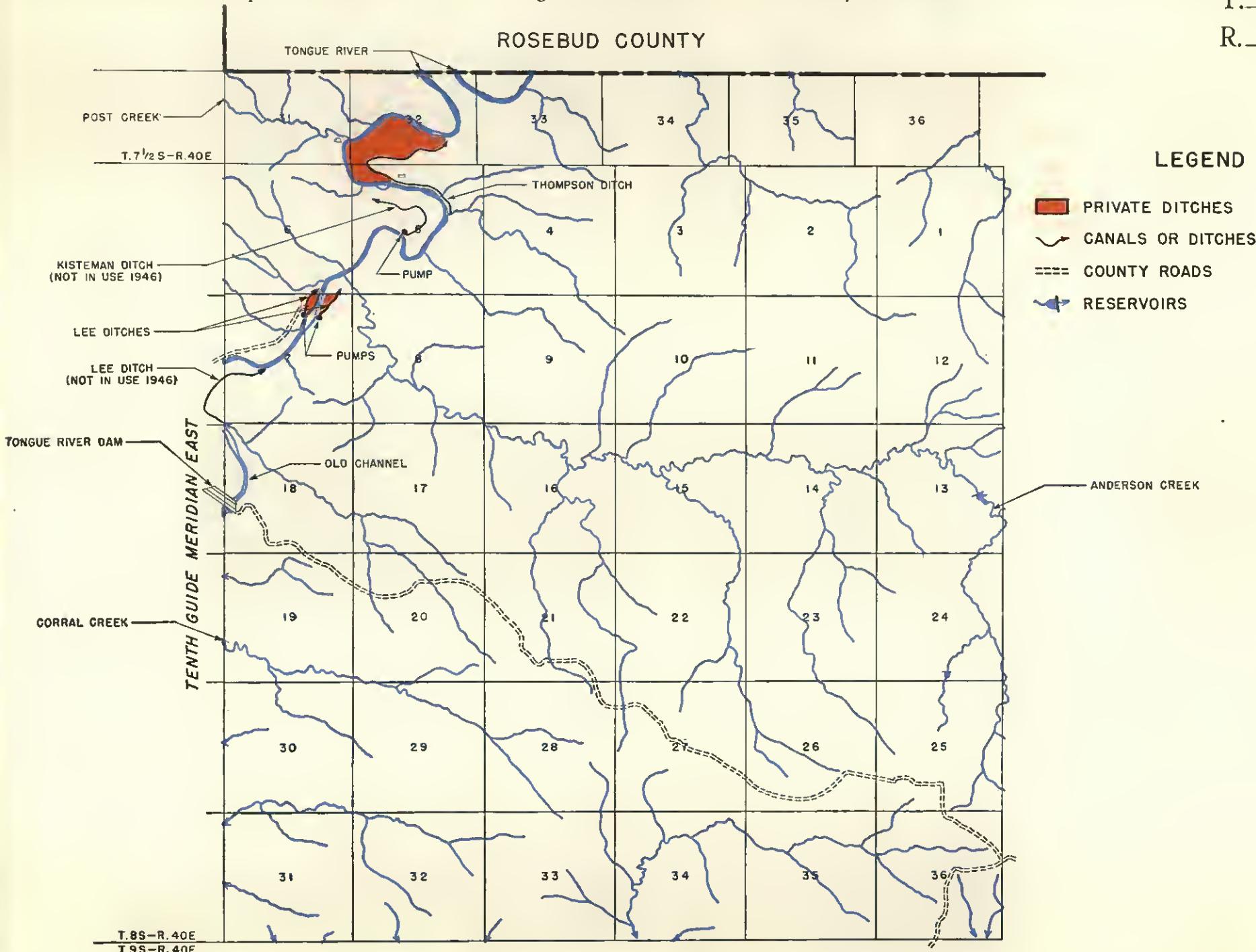
Range No. 41 EAST

County BIG HORN

T. 8 SOUTH

R. 41 EAST

ROSEBUD COUNTY



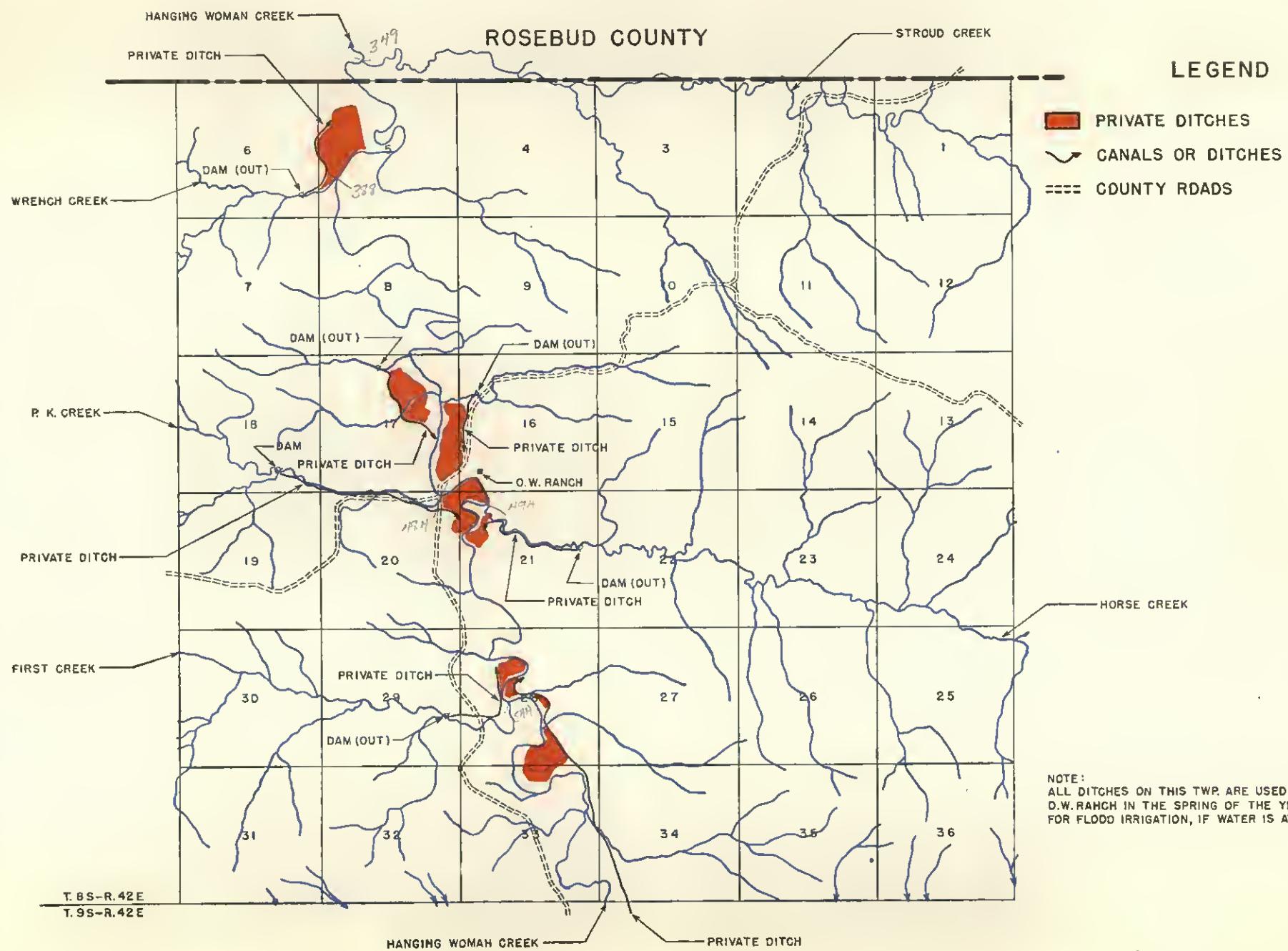
Township No. 8 SOUTH

Range No. 43 EAST

County BIG HORN

T. 8 SOUTH.

R.43 EAST.



NOTE :  
ALL DITCHES ON THIS TWP. ARE USED BY THE  
D.W. RAHC IN THE SPRING OF THE YEAR  
FOR FLOOD IRRIGATION, IF WATER IS AVAILABLE.

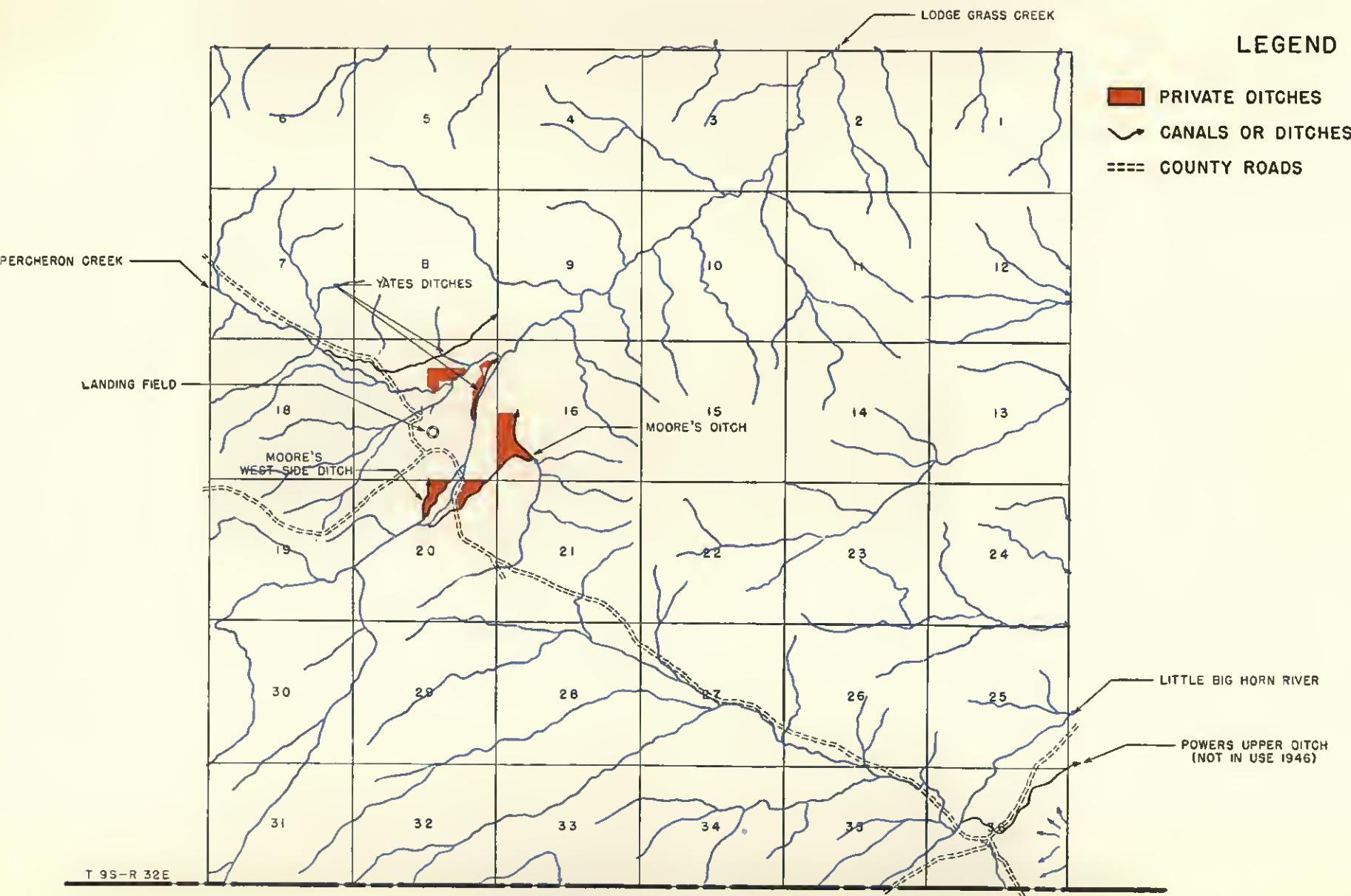
Township No. 9 SOUTH

Range No. 33 EAST

County BIG HORN

T. 9 SOUTH

R. 33 EAST



STATE OF WYOMING

65

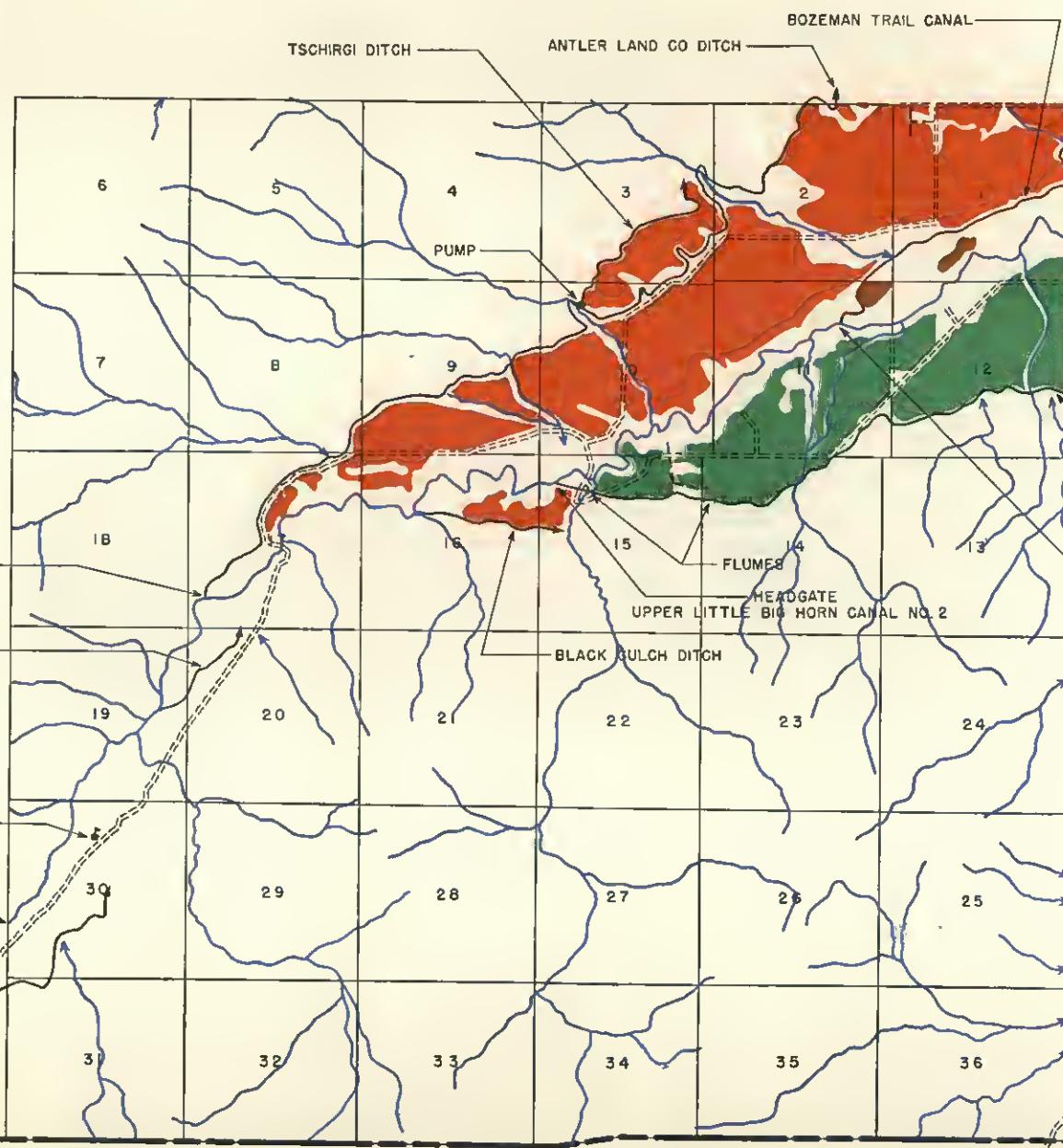
Township No. 9 SOUTH

Range No. 34 EAST

County BIG HORN

T. 9 SOUTH

R. 34 EAST



STATE OF WYOMING

66

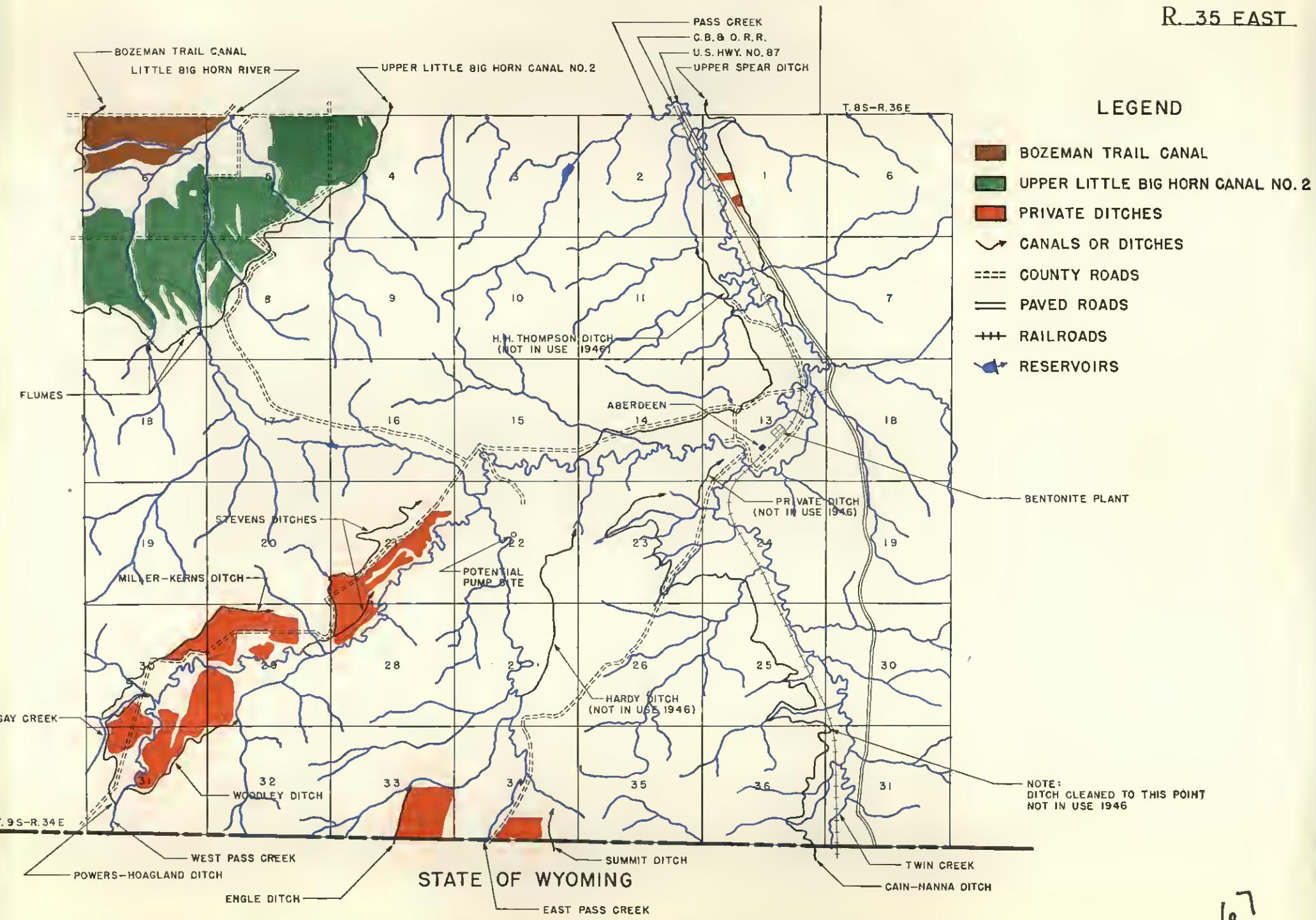
Township No. 9 SOUTH

Range No. 35 EAST

County BIG HORN

T. 9 SOUTH

R. 35 EAST



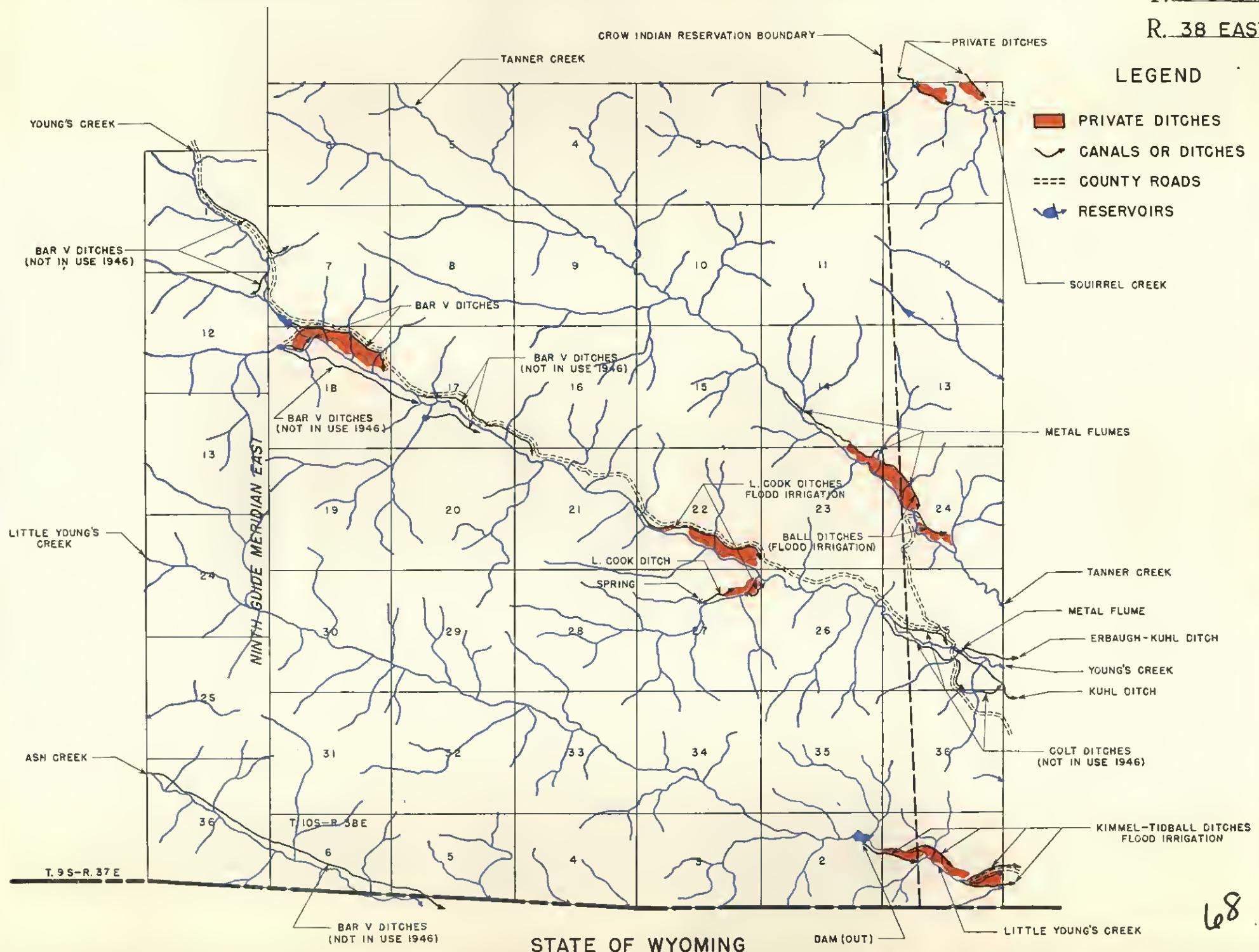
Township No. 9 SOUTH

Range No. 38 EAST

County BIG HORN

T. 9 SOUTH

R. 38 EAST



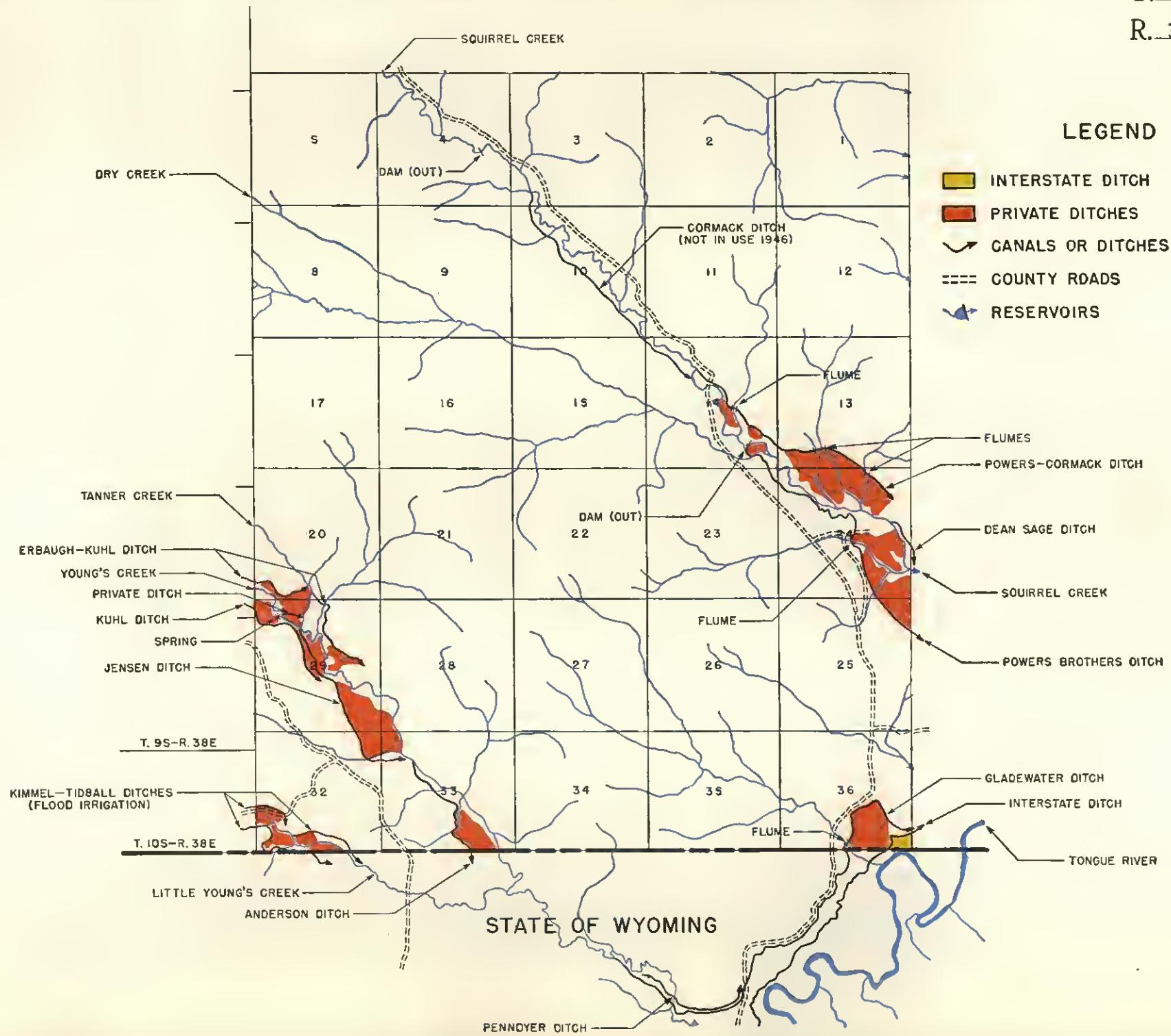
Township No. 9 SOUTH

Range No. 39 EAST

County BIG HORN

T. 9 SOUTH

R. 39 EAST



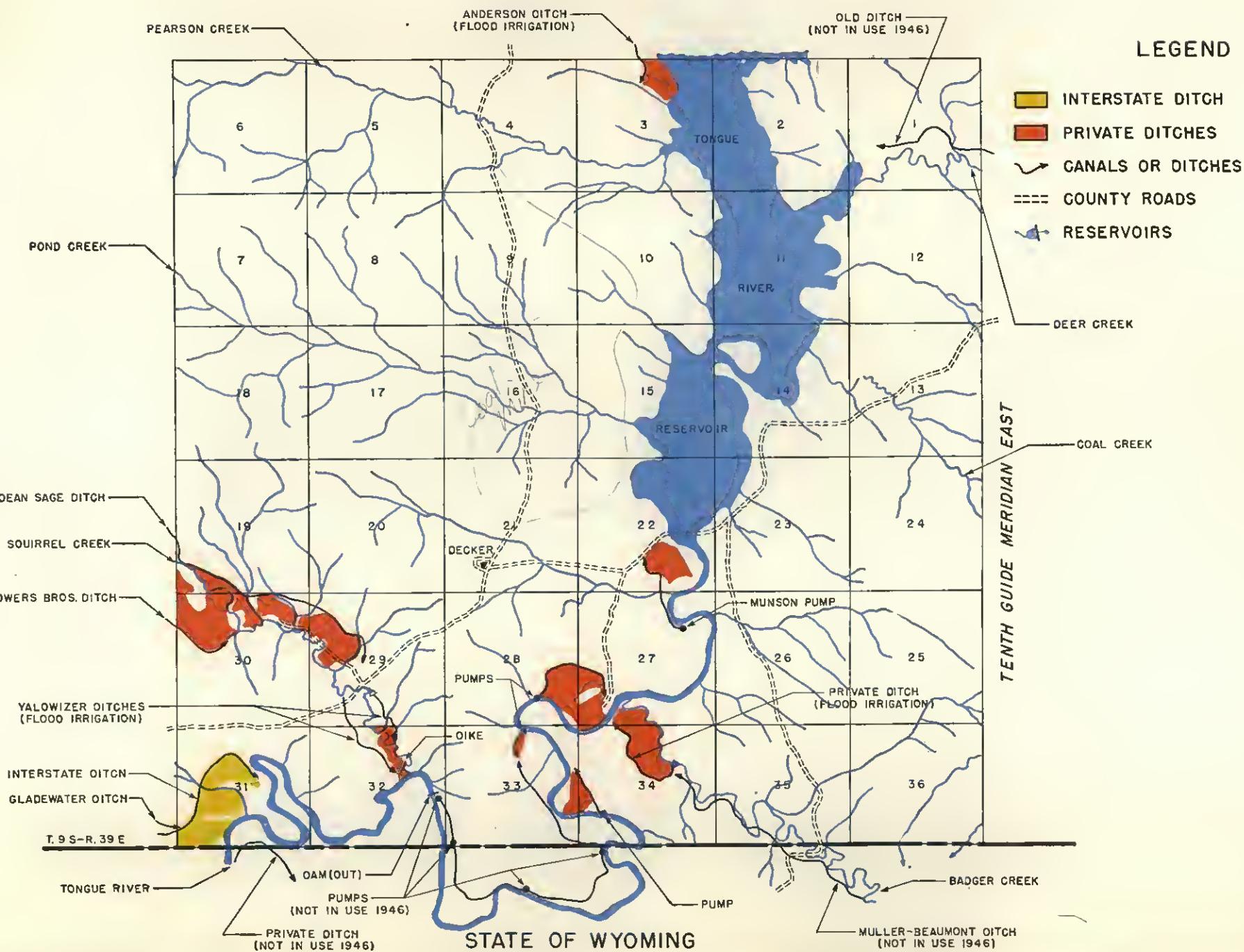
Township No. 9 SOUTH

Range No. 40 EAST

County BIG HORN

T. 9 SOUTH

R. 40 EAST



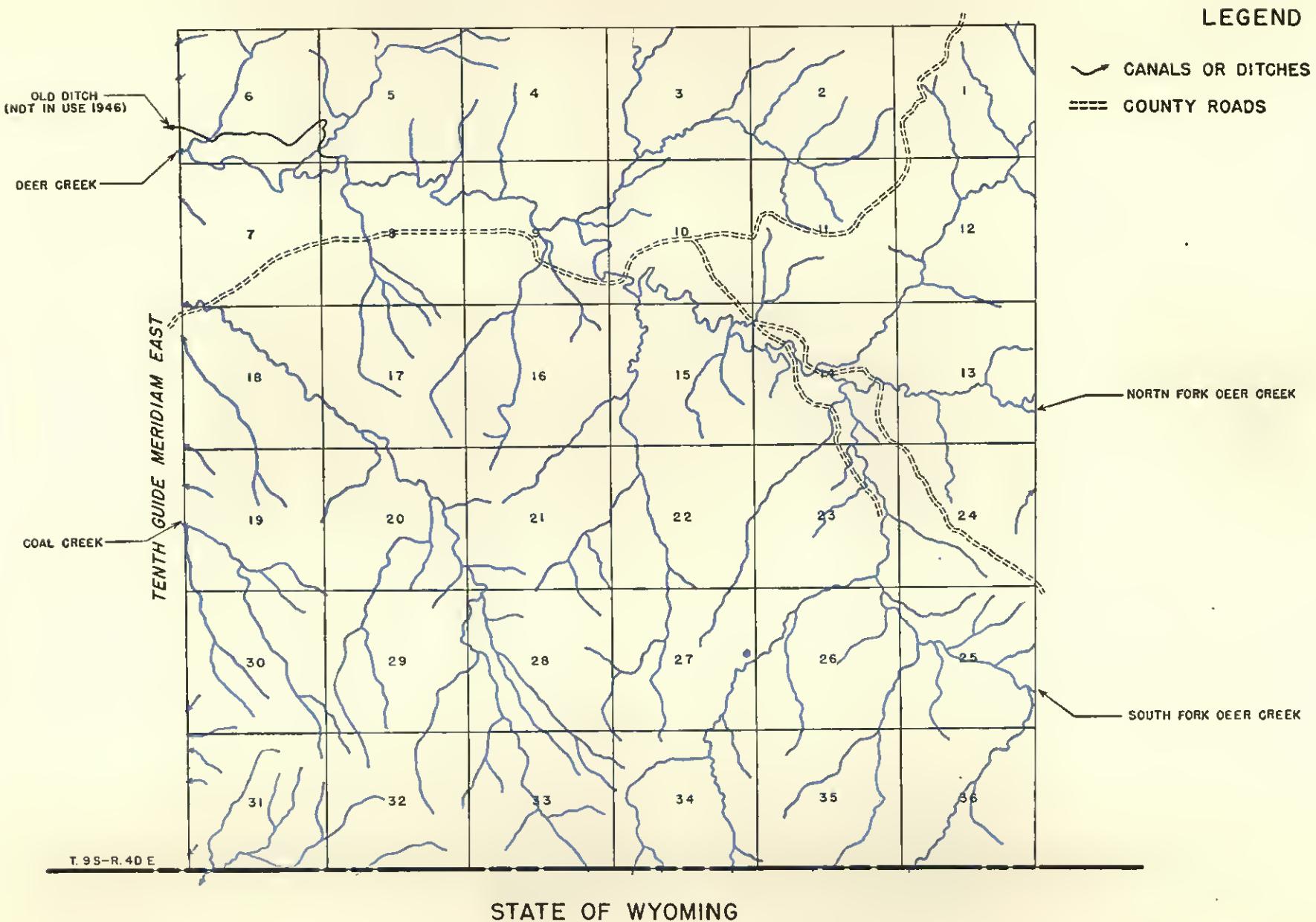
Township No. 9 SOUTH

Range No. 41 EAST

County BIG HORN

T. 9 SOUTH

R. 41 EAST



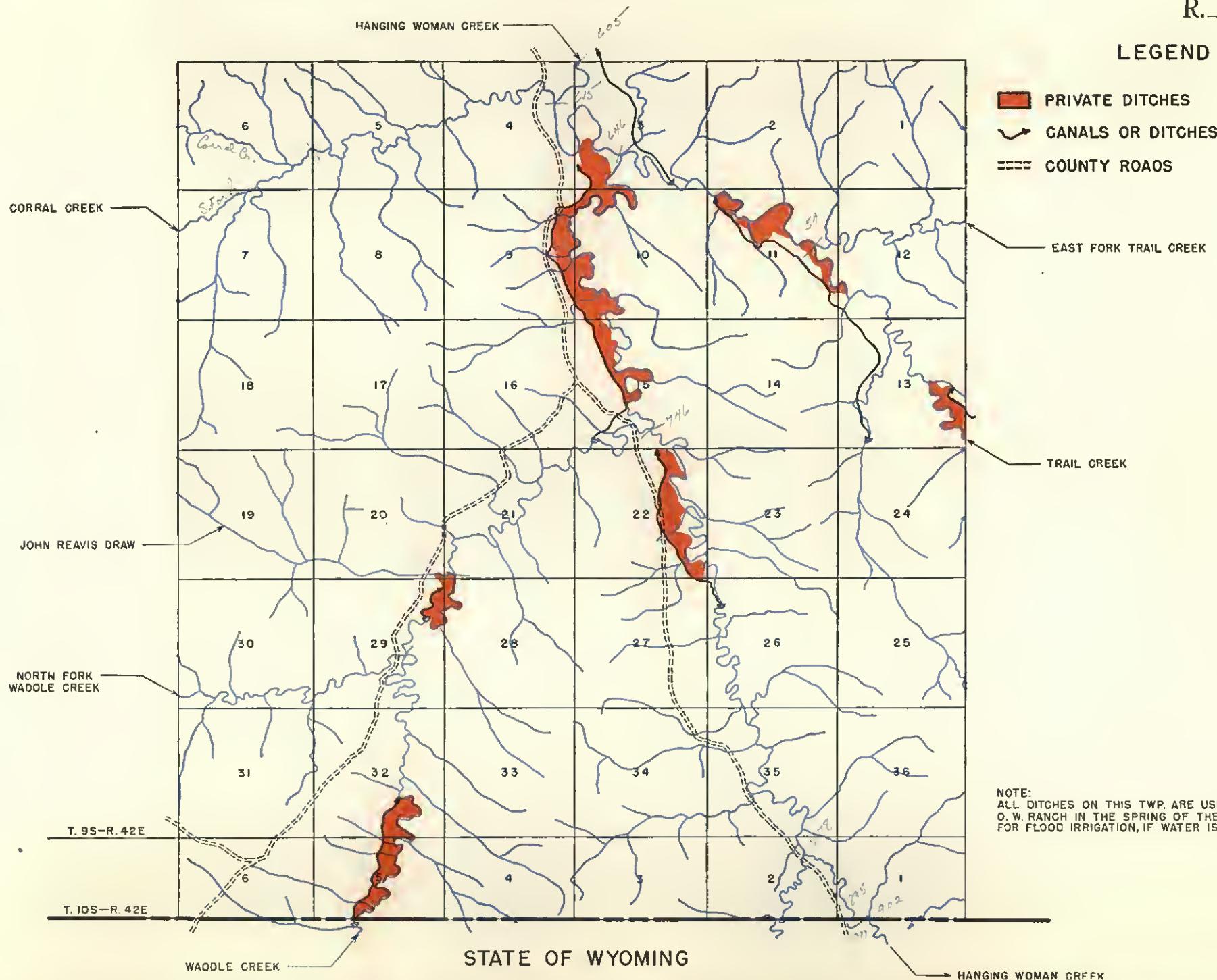
Township No. 9 SOUTH

Range No. 43 EAST

County BIG HORN

T. 9 SOUTH

R. 43 EAST



Township No. 9 SOUTH

Range No. 44 EAST

County BIG HORN

T. 9 SOUTH

R. 44 EAST

